



MAYOR, RUSTY PAUL
CITY COUNCIL DISTRICT 1: JOHN PAULSON
CITY COUNCIL DISTRICT 2: STEVE SOTERES
CITY COUNCIL DISTRICT 3: CHRIS BURNETT
CITY COUNCIL DISTRICT 4: JODY REICHEL
CITY COUNCIL DISTRICT 5: TIBERIO "TIBBY" DEJULIO
CITY COUNCIL DISTRICT 6: ANDY BAUMAN
PUBLIC WORKS DIRECTOR: MARTY MARTIN

FUNCTIONAL CLASS:
MAJOR COLLECTOR

THIS PROJECT IS 100% IN
FULTON COUNTY AND IS
100% IN CONG.DIST.NO.11 .

SPEED LIMIT: 30 MPH
SPEED DESIGN: 30 MPH

PROJECT DESIGNATION:
DESIGNED IN ENGLISH UNITS.

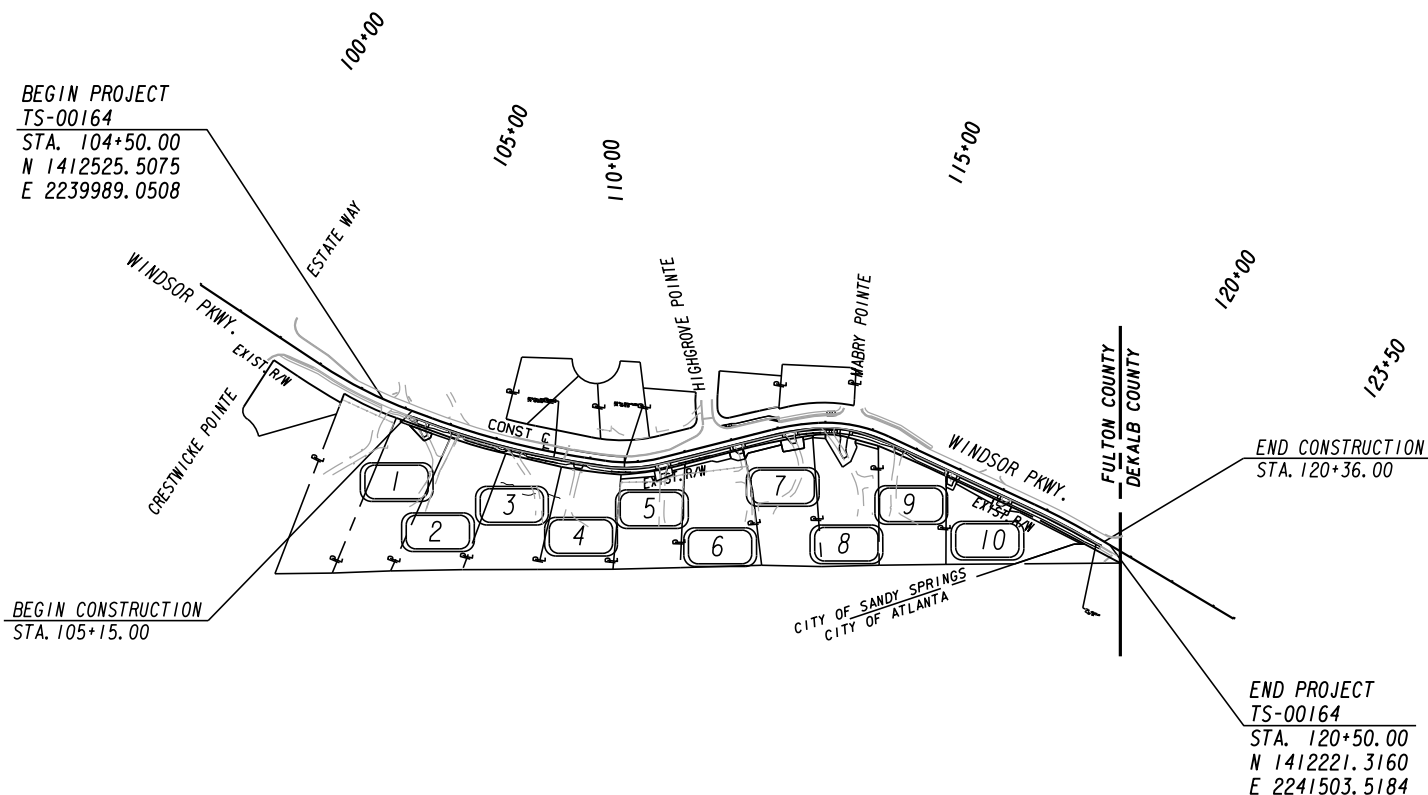
THIS PROJECT HAS BEEN PREPARED
USING THE HORIZONTAL GEORGIA
COORDINATE SYSTEM OF 1984 (NAD
1983)/94 WEST ZONE, AND THE NORTH
AMERICAN VERTICAL DATUM (NAVD)
OF 1988.



THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE DEPARTMENT OF TRANSPORTATION IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

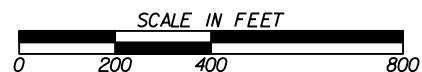
PLAN AND PROFILE OF PROPOSED WINDSOR PARKWAY SIDEWALKS

CITY OF SANDY SPRINGS
TS-00164



LENGTH OF PROJECT	COUNTY No. 121
	Project No. TS-00164
	MILES
NET LENGTH OF ROADWAY	0.303
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF PROJECT	0.303
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	0.303

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INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118



NOTE :
ALL REFERENCES IN THIS DOCUMENT, WHICH INCLUDES ALL PAPERS, WRITINGS,
DOCUMENTS, DRAWINGS, OR PHOTOGRAPHS USED, OR TO BE USED IN CONNECTION
WITH THIS DOCUMENT, TO "STATE HIGHWAY DEPARTMENT OF GEORGIA," "STATE
HIGHWAY DEPARTMENT," "GEORGIA STATE HIGHWAY DEPARTMENT," "HIGHWAY
DEPARTMENT," OR "DEPARTMENT" WHEN THE CONTEXT THEREOF MEANS THE
STATE HIGHWAY DEPARTMENT OF GEORGIA, AND SHALL BE DEEMED TO MEAN
THE DEPARTMENT OF TRANSPORTATION.

[illegible]

DRAWING No.

01-0001

DRAWING NO.	DESCRIPTION
.	CONSTRUCTION PLANS AND DETAILS
. 01-0001	COVER SHEET
. 02-0001	INDEX OF DRAWINGS
. 03-0001	REVISION SUMMARY
.04-0001 TO 04-0003	GENERAL NOTES
.05-0001 TO 05-0002	TYPICAL SECTIONS
.06-0001 TO 06-0003	SUMMARY OF QUANITITES
. 07-0001	QUANTITIES REQUIRED BY AMENDMENT
. 08-0001	QUANTITIES REQUIRED ON CONSTRUCTION
.13-0001 TO 13-0004	MAINLINE PLANS
.13A-0001 TO 13A-0004	TREE PROTECTION PLANS
.17-0001 TO 17-0002	DRIVEWAY PROFILES
. 18-0001	STAGING PLANS
. 21-0001	DRAINAGE AREA MAP
.22-0001 TO 22-0003	DRAINAGE PROFILES
.23-0001 TO 23-0011	CROSS SECTIONS
.24-0000 TO 24-0004	UTILITY PLANS
.26-0001 TO 26-0004	SIGNING AND MARKING PLANS
. 38-0001	SPECIAL CONSTRUCTION DETAILS
.44-0001 TO 44-0010	WATER RELOCATION PLANS
.52-0001 TO 52-0007	EROSION CONTROL LEGEND (REVISION DATE 3-17)
.54-0001 TO 54-0004	EROSION CONTROL PLANS
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. 56-0002	D-24B TEMPORARY SILT FENCE BERM DITCH, INSTALLATION, BRUSH BARRIER
.	(SHEET 2 OF 4) (1/11)
. 56-0003	D-24C TEMPORARY SILT FENCE J-HOOKS, INLET SEDIMENT TRAPS (SHEET 3 OF 4) (1/11)
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.	ON DITCHES (1/11)
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.60-0001 TO 60-0009	RIGHT OF WAY PLANS
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. A-1	DRIVEWAYS WITH TAPERED ENTRANCES CONCRETE VALLEY GUTTERS (7/11)
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.	DETAILS CURB CUT (WHEELCHAIR) RAMPS (9/16)
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. D-54	SOD INSTALLATION (4/16)
. T-01	SIGN PLATES (1/00)
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. T-11A	DETAILS OF PAVEMENT MARKING PLACEMENT ON NON-LIMITED ACCESS ROADWAY (9/16)
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.	

DRAWING NO.	DESCRIPTION
DETAIL	GEORGIA DEPARTMENT OF TRANSPORTATION CONSTRUCTION DETAILS (NOT INCLUDED IN PLANS)
T-13B	DETAILS OF PAVEMENT MARKING WORDS (SHEET 2 OF 2) (9/16)
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T-21	TRAFFIC CONTROL PEDESTRIAN ACCESSIBILITY AROUND WORKZONE - SIDEWALK DETOUR (10/08)
T-22	TRAFFIC CONTROL PEDESTRIAN ACCESSIBILITY AROUND WORKZONE-MIDBLOCK CROSSING & SIDEWALK DETOUR (10/08)
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1011A	BRICK MANHOLES (10/81)
1011AP	PRECAST REINFORCED CONCRETE MANHOLE (6/75)
1019A	DROP INLETS (8/99)
1019AP	PRECAST DROP INLETS (8/99)
1030D	CONCRETE AND METAL PIPE CULVERTS SHEET 1 OF 3 (9/01)
1030D	CONCRETE AND METAL PIPE CULVERTS SHEET 2 OF 3 (9/01)
1030D	CONCRETE AND METAL PIPE CULVERTS SHEET 3 OF 3 (9/01)
1033B	CATCH BASINS (MAX. PIPE CONN. 18" MAY BE USED IN 4' MEDIAN) (2/98)
1033D	CATCH BASINS (FOR USE WITH 6" OR 8" HT. CURB AND GUTTER) (8/82)
1033DP	PRECAST CATCH BASINS (FOR USE WITH 6" OR 8" PRECAST HT. CURB AND GUTTER) (9/82)
1033F	CATCH BASINS (FOR USE WITH HEADER OR INTEGRAL CURBS, 4", 6", 8", OR 10" HT.) (8/82)
1033FP	PRECAST CATCH BASINS (FOR USE WITH HEADER OR PRECAST INTEGRAL CURBS, 4",6" 8" OR 10" HT.) (9/82)
1034D	CATCH BASINS (FOR USE WITH 6" OR 8" CURB AND GUTTER IN SAGS OR LOW POINTS) (8/82)
1034DP	PRECAST CATCH BASINS (FOR USE WITH 6" OR 8" CURB AND GUTTER IN SAGS OR LOW POINTS) (9/82)
1034F	CATCH BASINS (FOR USE WITH 4", 6", 8" OR 10" HT. HEADER OR INTEGRAL CURBS (IN SAGS OR
	OR LOW POINTS) (8/82)
1034FP	PRECAST CATCH BASINS (FOR USE WITH 4", 6", 8" OR 10" HT. HEADER OR INTEGRAL CURBS (IN
	SAGS OR LOW POINTS) (9/82)
1035	DRAIN INLET (ELBOW TYPE) (11/99)
1401	PAVEMENT PATCHING DETAILS (STORM DRAIN OR UTILITY INSTALLATIONS BY OPEN CUT ACROSS
	EXISTING PAVEMENT) (8/99)
4000W	GUARDRAIL WARRANT GUIDES (1/16)
4040	GUARDRAIL ANCHORAGE TYPE 12 (12/15)
4040A	GUARDRAIL ANCHORAGE WITHOUT FLARE (ALTERNATE A) (12/15)
4040B	GUARDRAIL ANCHORAGE WITHOUT FLARE (ALTERNATE B) (12/15)
4380	"W" BEAM GUARDRAIL 31 INCH GUARDRAIL HEIGHT (12/15)
4381	POSTS AND OFFSET BLOCKS FOR "W" (3/16)
4383	GUARDRAIL ANCHORAGE TYPE 1 31 INCH HIGH GUARDRAIL (8/11)
4384	TYPE 12 31 INCH GUARDRAIL HEIGHT (3/16)
4391	GUARDRAIL LOCATION (ON ROADS WITH CURB) (3/16)
9003	FEDERAL AID AND STATE PROJECT MARKERS; RIGHT OF WAY MARKERS; COUNTY LINE MARKER (4/06)
9029B	PERFORATED UNDERDRAIN (8/83)
9031L	GRAVITY WALL TYPICAL SECTIONS, RAISING HEADWALL, & TYPICAL PIPE PLUG (SHEET 1 OF 2) (9/16)
9031L	DETAILS OF: CATCH BASIN MODIFIED FOR DOUBLE GRATE, DROP INLET MODIFIED FOR DOUBLE
	GRATE, CONCRETE SPRING BOX, CONCRETE STEPS, CATCH BASIN OR DROP INLET CONNECTION TO
	CONCRETE BOX, CULVERT CAPPING EXISTING DROP INLET (6/98)
9031R	PLACING ROOF DRAIN PIPE UNDER SIDEWALK - RAMP TYPE BARRICADE - PIPE HANDRAIL FOR
	RETAINING WALL,PIPE HANDRAIL FOR CONCRETE STEPS (10/88)
9031U	JUNCTION BOXES (PRECAST OR BUILT-IN-PLACE) PIPE COLLARS, PIPE ELBOW & PIPE CURVED ALIGNMENT (7/85)
9032B	CONCRETE CURB AND GUTTER, CONCRETE CURBS, CONCRETE MEDIANS (11/11)
9100	TRAFFIC CONTROL GENERAL NOTES, STANDARD LEGEND, AND MISCELLANEOUS DETAILS (3/06)
9102	TRAFFIC CONTROL DETAIL FOR LANE CLOSURE ON TWO-LANE HIGHWAY (3/06)

[illegible]

REVISION DATES			<div>REVISION SUMMARY</div> <div>WINDSOR PARKWAY SIDEWALKS</div>			
			CHECKED:		DATE:	
			BACKCHECKED:		DATE:	
			CORRECTED:		DATE:	
			VERIFIED:		DATE:	
						DRAWING No.
						03-0001

PROJECT GENERAL NOTES

1.

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD AND SUPPLEMENTAL SPECIFICATIONS, CURRENT EDITION AND THE CITY OF SANDY SPRINGS ORDINANCES.
2.

ALL KNOWN UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON PLANS, AND ARE NOT NECESSARILY ACCURATE IN LOCATION AS TO PLAN OR ELEVATION. UTILITY FACILITIES SUCH AS SERVICE LINES OR UNKNOWN FACILITIES NOT SHOWN ON PLANS WILL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY UNDER THIS REQUIREMENT. "EXISTING UTILITY FACILITIES" MEANS ANY UTILITY THAT EXISTS ON THE PROJECT IN ITS ORIGINAL, RELOCATED OR NEWLY INSTALLED POSITION.
3.

THE FOLLOWING UTILITIES HAVE FACILITIES IN THE PROJECT AREA:

AGL
GAS

CITY OF ATLANTA WATER
WATER

AT&T
TELEPHONE

FULTON COUNTY WATER AND SEWER
SEWER

GEORGIA POWER COMPANY
ELECTRIC

COMCAST CABLE
CABLE TELEVISION
4.

INGRESS AND EGRESS SHALL BE MAINTAINED AT ALL TIMES TO ADJACENT PROPERTIES. REFER TO SUB-SECTION 107.07 OF THE GEORGIA STANDARD SPECIFICATIONS AND SECTION 103-73 OF THE CITY OF SANDY SPRINGS CODE OF ORDINANCES.
5.

RIGHT-OF-WAY MARKERS IN RESIDENTIAL LAWN AND DEVELOPED COMMERCIAL AREAS SHALL BE PLACED FLUSH WITH THE FINISHED SURFACE.
6.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FURNISH SUITABLE BORROW MATERIAL FOR THE PROJECT AND DISPOSE OF ANY UNSUITABLE OR WASTE MATERIAL. CONCRETE AND ASPHALT REMOVED FROM PROJECT SITE MAY NOT BE PLACED IN FILL LOCATIONS THAT FALL WITHIN EASEMENT AREAS. THIS MATERIAL MAY BE PLACED IN R/W WHERE THERE IS 3 FEET MINIMUM COVER AND NO FUTURE WIDENING IS PLANNED.
7.

PERFORATED UNDERDRAIN SHALL BE PLACED IN AREAS WHERE WET CONDITIONS EXIST IN THE SUBGRADE AS DIRECTED BY THE ENGINEER. CONTRACTOR TO NOTIFY THE CITY REPRESENTATIVE IMMEDIATELY UPON DISCOVERY OF SUCH MATERIAL.
8.

STRUCTURES, TREES, SHRUBS AND OTHER PLANT MATERIAL THAT FALL WITHIN THE RIGHT-OF-WAY AND EASEMENT LIMITS, BUT OUTSIDE THE LIMITS OF CONSTRUCTION, SHALL NOT BE DISTURBED UNLESS DIRECTED BY THE ENGINEER.
9.

THE CONTRACTOR SHALL OBSERVE ALL APPLICABLE LOCAL, STATE AND FEDERAL SAFETY REGULATIONS REGARDING PIPE INSTALLATION IN TRENCHES. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COST INCURRED TO COMPLY WITH THIS REQUIREMENT.
10.

ALL EXISTING PIPES AND DRAINAGE STRUCTURES SHALL BE MAINTAINED UNLESS OTHERWISE NOTED ON PLANS OR AS DIRECTED BY THE ENGINEER. REMOVAL OF PIPE SHALL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE".
11.

SAWCUT MUST BE USED IN ANY AREA WHERE NEW PAVEMENT WILL ABUT EXISTING PAVEMENT. IN AREAS WHERE NEW PAVEMENT OR PAVEMENT WIDENING IS REQUIRED, SAW CUT OF EXISTING PAVEMENT WILL BE REQUIRED IN ACCORDANCE WITH SECTION 411 OF THE GEORGIA STANDARD SPECIFICATIONS AND WILL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE". REFER TO TABLE 11.9-1 MINIMUM PAVEMENT STANDARDS FOR THE CITY OF SANDY SPRINGS PAVEMENT SECTION.
12.

ALL DRIVEWAYS SHALL BE MAINTAINED DURING CONSTRUCTION. ALL DRIVEWAYS TO BE CONSTRUCTED SHALL BE REPLACED IN KIND I.E. ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE ETC. ANY OTHER DRIVEWAY MATERIAL OR SPECIALIZED DRIVEWAY WILL NOT BE REPLACED IN KIND (I.E. PAVERS) AND WILL BE REPLACED WITH ASPHALT OR CONCRETE. ALL EARTH OR GRAVEL DRIVES SHALL BE PAVED WITH ASPHALT TO THE RIGHT-OF-WAY LIMIT OR TIE-IN POINT. DRIVEWAYS SHALL BE PAVED AS FOLLOWS:

ASPHALTIC DRIVES

RESIDENTIAL

- 1-1/2" ASPH. CONC. 12.5 MM SUPERPAVE
- 6" GRADED AGGREGATE BASE

COMMERCIAL

- 1-1/2" ASPH. CONC. 12.5 SUPERPAVE
- 2" ASPH. CONC. 19MM SUPERPAVE
- 6" GRADED AGGREGATE BASE

CONCRETE DRIVES

RESIDENTIAL

- 6" CONCRETE VALLEY GUTTER
- 4" CONCRETE DRIVEWAY

COMMERCIAL

- 8" CONCRETE VALLEY GUTTER
- 6" CONCRETE DRIVEWAY
13.

PRICE BID FOR TRAFFIC CONTROL SHALL INCLUDE, BUT IS NOT LIMITED TO, AGGREGATE SURFACE COURSE, CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TEMPORARY SIGNAGE, PAVEMENT MARKINGS, BARRICADES, ETC. REQUIRED FOR MAINTENANCE OF TRAFFIC DURING CONSTRUCTION IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, OR AS DIRECTED BY THE ENGINEER OR THE CITY.



14.

NO SEPARATE PAYMENT WILL BE MADE FOR PAVEMENT, GRADING OR ANY OTHER OPERATIONS REQUIRED FOR DETOUR CONSTRUCTION AND SHALL BE INCLUDED IN PRICE BID FOR "TRAFFIC CONTROL".
15.

ALL CUT AND FILL SLOPES SHALL BE GRASSED IMMEDIATELY AFTER SLOPES ARE STABILIZED IN ORDER TO REDUCE EROSION. IF THE SEASON DOES NOT PERMIT GRASSING, STRAW MULCH SHALL BE USED AS DIRECTED BY THE ENGINEER.
16.

REPLACEMENT GRASSING SHALL BE SOD UNLESS OTHERWISE DIRECTED BY THE CITY.
17.

EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO OR CONCURRENT WITH LAND DISTURBANCE ACTIVITIES AND SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION OR AS DIRECTED BY THE ENGINEER OR THE CITY.
18.

ALL MARTA SIGNS AND STREET FURNITURE INCLUDING TRASH CANS SHALL BE RESET AND PAYMENT SHALL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE".
19.

ALL FIRE HYDRANTS, WATER VALVES, AND WATER METER SHALL BE ADJUSTED TO GRADE AND PAYMENT SHALL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE".
20.

NO SPRINKLERS OBSERVED. IN THE CASE OF EXISTING IRRIGATION, SPRINKLER SYSTEMS WITHIN THE CONSTRUCTION LIMITS OWNED BY INDIVIDUALS OR PRIVATE COMPANIES ARE TO BE REMOVED TO THE BACK OF THE CONSTRUCTION LIMITS AND PLUGGED. ALL COSTS TO BE INCLUDED IN THE PAY ITEM FOR GRADING COMPLETE.
21.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING, RELOCATING, AND MAINTAINING THE PROPERTY OWNER'S MAILBOX TO AN AREA OUTSIDE CONSTRUCTION LIMITS DURING THE LIFE OF THE CONTRACT. THE LOCATION OF THE BOX SHOULD BE CONVENIENT TO BOTH THE MAIL CARRIER AND THE PATRON, YET NOT INTERFERE WITH PROPOSED WORK. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONFER WITH THE POST OFFICE SERVING THE AREA.
22.

PAYMENT FOR RELOCATION OF MAILBOXES TO BE INCLUDED IN GRADING COMPLETE.
23.

AN N.O.I. (NOTICE OF INTENT) IS NOT REQUIRED FOR THIS PROJECT. THE DISTURBED AREA IS 0.89 ACRES.
24.

CONTRACTOR IS TO CLEAN OUT ALL EXISTING DRAINAGE STRUCTURES AND PAYMENT TO BE INCLUDED IN GRADING COMPLETE.
25.

PAYMENT FOR SIGNS REQUIRED FOR EROSION SEDIMENTATION AND POLLUTION CONTROL (ESPCP) SHALL BE INCLUDED IN GRADING COMPLETE.
26.

THERE IS NO SUITABLE PLACE TO BURY EXISTING CONSTRUCTION DEBRIS WITHIN THE PROJECT'S LIMITS. THE CONTRACTOR SHALL PROVIDE AN ENVIRONMENTALLY APPROVED SITE TO DISPOSE OF EXISTING CONSTRUCTION DEBRIS AT NO ADDITIONAL COST TO THE CITY OF SANDY SPRINGS.
27.

DETECTABLE WARNING STRIPS SHALL BE AS APPROVED ON THE GDOT QUALIFIED PRODUCT LIST FOR TERRA COTTA INSTEAD OF STAMPED CONCRETE OR THE YELLOW MATE. DETECTABLE WARNING STRIPS AT ALL WHEEL CHAIR RAMPS SHALL HAVE A RED TINT WITH AT LEAST A 70% CONTRAST TO THE COLOR OF THE CONCRETE RAMP.
28.

CONTACT KERRY MISSEL OR JOY KERLEY WITH THE CITY OF SANDY SPRINGS REGARDING THE RIGHT-OF-WAY DEDICATIONS REQUIRED.
29.

CONTRACTOR SHALL COORDINATE WITH CITY FOR REMOVAL OF EXISTING AND FINAL INSTALLATION OF ALL TRAFFIC SIGNAL POLES. PAYMENT FOR ALL SIGNAL ACTIVITIES AND ASSOCIATED ITEMS SHALL BE INCLUDED IN THE UNIT BID PRICE FOR TRAFFIC CONTROL.
30.

CUTTING OF TREE ROOTS SHALL BE PAID FOR UNDER GRADING COMPLETE.
31.

ALL WORK TO TIE PROPOSED DRAINAGE STRUCTURES TO EXISTING DRAINAGE SYSTEM SHALL BE PAID FOR UNDER GRADING COMPLETE. THIS INCLUDES BUT IS NOT LIMITED TO REMOVAL OR ADJUSTMENT OF EXISTING GRATES.



REVISION DATES

GENERAL NOTES
WINDSOR PARKWAY SIDEWALKS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		04-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. ALL ITEMS NECESSARY FOR COMPLIANCE WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR "TRAFFIC CONTROL".
2. ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
3. ALL SIGNS SHALL HAVE TYPE IX RETROREFLECTIVE SHEETING UNLESS OTHERWISE NOTED.
4. IN RESIDENTIAL AREAS, TEMPORARY AND PERMANENT SIGNS SHALL BE LOCATED ON OR AS CLOSE AS POSSIBLE TO PROPERTY LINES.
5. EXISTING TRAFFIC SIGNS SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION. MAINTENANCE INCLUDES REPLACING DAMAGED AND STOLEN SIGNS, AND PERIODIC CLEANING OF EXISTING SIGNS AND CONSTRUCTION RELATED TRAFFIC CONTROL DEVICES.
6. EXISTING PAVEMENT MARKINGS THAT CONFLICT AS DETERMINED BY THE ENGINEER OR THE CITY SHALL BE OBLITERATED BY THE CONTRACTOR ("BLACK OUT PAINT" PROHIBITED).
7. ONLY REFLECTORIZED PLASTIC DRUMS AND TEMPORARY CONCRETE BARRIERS SHALL BE USED ADJACENT TO TRAVEL LANES PLACED A MINIMUM OF 2 FEET FROM THE EDGE OF THE TRAVEL LANES UNLESS PRIOR APPROVAL IS GRANTED BY THE CITY OF SANDY SPRINGS. TYPE 1 AND 11 BARRICADES AND CONES SHALL NOT BE USED.
8. REFLECTORIZED DRUMS SHALL BE USED FOR CHANNELIZATION OF TRAFFIC IN ALL TRAFFIC SHIFTS. MAXIMUM SPACING EQUALS THE DESIGN SPEED LIMIT FOR THE TAPER.
9. ALL TRAFFIC CONTROL DEVICES SHALL BE MAINTAINED BY THE CONTRACTOR SO AS NOT TO INTERFERE WITH SIGHT DISTANCES ALONG ANY ADJACENT SIDE ROAD OR DRIVEWAY.
10. THE CITY OF SANDY SPRINGS RESERVES THE RIGHT TO MODIFY THIS MAINTENANCE OF TRAFFIC PLAN AS FIELD CONDITIONS WARRANT. IF ADDITIONAL TRAFFIC CONTROL DEVICES ARE REQUIRED, THESE SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE CITY.
11. THE CONTRACTOR MUST OBTAIN A ROAD CLOSURE PERMIT FROM THE CITY OF SANDY SPRINGS A MINIMUM OF 3 WEEKS PRIOR TO ROAD CLOSURE.
12. ALL W4-9 SIGNS SHALL HAVE ADVISORY BLADES (INSTALLED ABOVE THE "DETOUR" SIGN) IDENTIFYING THE CLOSED STREET THAT THE DETOUR ROUTE SERVES.
13. INFORMATION SIGNS, INFORMING MOTORISTS OF THE ROAD CLOSURE SHALL BE INSTALLED A MINIMUM OF 2 WEEKS PRIOR TO THE ROAD CLOSURE. THESE SIGNS SHALL BE INSTALLED AT OR AS NEAR AS POSSIBLE TO THE ROAD CLOSURE (SEE SPECIFICATIONS BELOW):

(ROAD NAME) WILL BE CLOSED/TEMPORARY CLOSED
STARTING (DATE) - ENDING (DATE)

THESE SIGNS SHALL BE RETROREFLECTIVE SHEETING ON METAL, 4 INCH BLACK LETTERING ON WHITE BACKGROUND.
14. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PREPARE A MAINTENANCE OF TRAFFIC PLAN FOR APPROVAL BY THE CITY OF SANDY SPRINGS BEFORE STARTING CONSTRUCTION. PAYMENT SHALL BE INCLUDED IN THE PRICE FOR "TRAFFIC CONTROL". THE CONTRACTOR WILL NOT BE ALLOWED TO CLOSE TO THE ROAD DURING THE CONSTRUCTION OF THE PROJECT WITHOUT APPROVAL BY THE ENGINEER.
15. NO LANE CLOSURES ARE ALLOWED BETWEEN 6-9AM AND 4-7PM WITHOUT PRIOR APPROVAL BY THE ENGINEER.
16. DURING CONSTRUCTION PAVEMENT SECTIONS SHOULD BE COMPLETED UP TO BINDER LAYER WITH TEMPORARY STRIPING. 1 1/2 INCHES OF 12.5 MM SUPERPAVE WILL BE APPLIED TO THE ENTIRE PROJECT AREA INCLUDING ROSWELL ROAD AND PERMANENT STRIPING WILL BE COMPLETED AT THAT TIME. PAYMENT FOR TEMPORARY STRIPING WILL BE PAID UNDER TRAFFIC CONTROL BID ITEM.

CITY OF SANDY SPRINGS UTILITY LOCATION STANDARD

UTILITY LOCATIONS				
UTILITY	NORTH	SOUTH	ALL SIDES	DIST. OFF CENTERLINE
WATER	YES			18' - 38'
GAS		YES		16' - 33'
TELEPHONE			YES	0' - 50'
POWER			YES	0' - 50'
TV CABLE			YES	0' - 50'
FIBER			YES	3' - 20'
SEWER			YES	0' - 187'

CITY OF SANDY SPRINGS GENERAL NOTES

1. NEW PAVEMENT IS REQUIRED ACROSS ALL PROPERTY FRONTAGES, TO BE INSTALLED PER SANDY SPRINGS STANDARD DETAILS OR AS DIRECTED BY SANDY SPRINGS TRAFFIC ENGINEER.

2. ALL TRAFFIC CONTROL AND WARNING DEVICES MUST BE SHOWN AND PLACED PER MUTCD. THE TRAFFIC CONTROL PLAN IS SUBJECT TO CHANGE BY THE SANDY SPRINGS TRAFFIC ENGINEER.

3. TEMPORARY TRAFFIC CONTROL AND WARNING DEVICES SHALL BE PLACED PRIOR TO THE COMMENCEMENT OF ANY ROAD IMPROVEMENT WORK ON CITY ROADS AND SHALL REMAIN IN PLACE UNTIL THE CONCLUSION OF ALL SIGNING AND STRIPING WORK.

4. ALL SIGNS SHALL CONFORM TO THE MUTCD STANDARDS AND SANDY SPRINGS FOR COLOR, SIZE, REFLECTIVITY, HEIGHT, AND PLACEMENT.

5. STRIPING (WHITE AND YELLOW) AND ARROW MARKING SHALL BE APPLIED USING GDOT STANDARDS FOR THERMOPLASTIC STRIPING.


6. WHEN NECESSARY, EXISTING STRIPING SHALL BE REMOVED BY GRINDING, UNLESS SPECIFIED BY THE SANDY SPRINGS TRAFFIC ENGINEER.

7. ALL FINAL SIGNAGE MUST BE INSTALLED CONCURRENTLY WITH THE PERFORMANCE OF THE STRIPING WORK.

8. CONTACT THE SANDY SPRINGS TRAFFIC ENGINEER (770-730-5600) ONE WEEK PRIOR TO COMMENCEMENT OF ANY STRIPING WORK.

9. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF THE AS-BUILT STATUS OF DOWNSTREAM DRAINAGE IMPROVEMENTS PRIOR TO BEGINNING CONSTRUCTION AND ADVISE THE ENGINEER OF ANY DIFFERENCES NOTED BETWEEN FIELD CONDITIONS AND WHAT IS DEPICTED IN THE CONSTRUCTION DOCUMENTS.

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DESIGN MODIFICATION APPROVAL FORM

Date: July 25, 2018

To: John McDonough, City of Sandy Springs City Manager,

Project Number #: TS164

Project Name: Windsor Pkwy SW: Crestwicke Pointe to City Limit

Project Manager: Ko Seo

Design Deviations

As part of the Concept Plan Review for the Windsor Pkwy Sidewalk Project, the City's design consultant, Michael Baker, received the following comments from Community Development and request the following design deviations:

1. Type B" streetscape as detailed by Section 10.4.4 of the newly adopted Development Code requires 8-ft bike facility, 6-ft sidewalk, and 2-ft landscape strip.

- Due to lack of available right-of-way, 8-ft bike facility cannot be provided without requiring additional right-of-way from private residences.
- Small section of sidewalk in front of Parcel 2 meanders to avoid conflicts with existing utility pole.
- Small section of sidewalk in front of Parcel 3 requires reduced four-foot sidewalk section to reduce impact on an old tree per resident's request.

2. Water quality per Section 10.L requirement

- Due to lack of available right-of-way, water quality cannot be provided within the project limit without requiring additional right-of-way from private residences.

Name: John McDonough

DocuSigned by:
Signature: John McDonough

Date: 7/26/2018 3:19:56 PM EDT

CITY OF SANDY SPRINGS EROSION & SEDIMENT CONTROL GENERAL NOTES

1. PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH ENTRY TO OR EXIT FROM THE SITE.

2. THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF FLOW OF MUD ON TO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE, AS CONDITIONS DEMANDS, AND REPAIR AND/OR CLEAN-OUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED.

3. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE SHALL OCCUR WITHIN THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.

4. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCES/EXITS, ALL PERIMETER EROSION CONTROL DEVICES AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.

5. OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.

6. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.

7. THE CONSTRUCTION OF THE SITE WILL INITIATE WITH THE INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROL WILL BE MAINTAINED UNTIL ALL UP STREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION AND ALL ROADS/DRIVEWAYS HAVE BEEN PAVED.

8. FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED BACK TO CITY OF SANDY SPRINGS STANDARDS.

9. A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBANCE ACTIVITY IS IN PROGRESS.

10. ALL SEWER EASEMENTS DISTURBED MUST BE DRESSED AND GRASSED TO CONTROL EROSION.

11. A TRIBUTARY TO NANCY CREEK IS WITHIN 200' FROM THE PROJECT SITE.

12. THE EXISTING LAND USE FOR THIS PROJECT IS A COMMERCIAL/RESIDENTIAL AREA WITH TWO 11' TRAVEL LANES ALONG WINDSOR PKWY AND VARYING WIDTH URBAN SHOULDERS AND PORTIONS CONTAINING CURB & GUTTER AND SIDEWALK. THE PROJECT IS LOCATED ON LAND LOT 13 IN THE ELEVENTH CONGRESSIONAL DISTRICT WITHIN THE LIMITS OF THE CITY OF SANDY SPRINGS. THIS PROJECT'S WORK IS RELOCATED WINDSOR PKWY. THE SHOULDERS WILL BE UPGRADED TO INCLUDE CURB AND GUTTER, A 2' SOD STRIP, 6'-10' WIDE SIDEWALK, A 1' SOD STRIP. DRAINAGE STRUCTURES WILL BE ADDED WHILE TIEING INTO THE EXISTING DRAINAGE SYSTEMS. THE RESULTS OF THIS PROJECT WILL PROVIDE A SAFER PEDESTRIAN ENVIRONMENT WITH IMPROVED DRAINAGE CONDITIONS AND CONTINUOUS SHOULDER CONDITIONS TO PROPERLY SERVE THIS AREA.

13. THE PERSON AND CONTACT INFORMATION FOR DEVELOPER/OWNER INFORMATION IS AS FOLLOWED:
MR. CHARLES LANDERFELT
CITY OF SANDY SPRINGS DEPARTMENT OF PUBLIC WORKS
1 GALAMBOS WAY
SANDY SPRINGS, GA 30350
(770) 730-5600

14. CONSTRUCTION ACTIVITIES INCLUDING VEGETATION, MULCHING AND BMP PRACTICES ARE SHOWN ON THE EROSION CONTROL PLAN SHEETS.

COUNTY: FULTON
PH: 5.1
RESISTIVITY: 1

COUNTY: FULTON
PH: 5.1
RESISTIVITY: 1

Pipe Culvert Material Alternates
For Piedmont/Blue Ridge Region


TYPE OF PIPE INSTALLATION	CONCRETE	CORRUGATED STEEL AASHTO M-36		CORRU-GATED ALUMINUM AASHTO M-196	PLASTIC			
		ALUMINUM COATED (TYPE 2) CORR. STEEL	PLAIN ZINC COATED	PLAIN UNCOATED ALUMINUM	CORR. POLY-ETHYLENE AASHTO M-252	CORR. POLY-ETHYLENE SMOOTH AASHTO M-294 TYPE "S"	POLY VINYL CHLORIDE (PVC) PIPE PROFILE W ALL AASHTO M-304	POLY VINYL CHLORIDE (PVC) CORRUGATED SMOOTH INTERIOR ASTM F-949
LONGITUDINAL INTERSTATE AND TRAVEL BEARING	X							
LONGITUDINAL NON-INTERSTATE AND NON-TRAVEL BEARING	X							
STORM DRAIN CROSS DRAIN	GRADE < 10%	ADT < 250	X					
		250 < ADT < 1500	X					
		1500 < ADT < 15000	X					
		ADT > 15000	X					
	GRADE > 10%	ADT < 250						
ADT > 250								
SIDE DRAIN	X					X	X	X
PERMANENT SLOPE DRAIN		X	X	X		X	X	X
PERFORATED UNDERDRAIN		X	X	X	X	X		X

* This type pipe can be used if the addition of Type "B" Coating (AASHTO M-190, Half Bituminous Coated with Paved Invert) is utilized.

NOTES:
1. Allowable materials are indicated by an "X".
2. Structural requirements of storm drain pipe will be in accordance with Georgia Standard 1030-D or 1030-P, whichever is applicable, and the Standard Specifications.
3. Graded aggregate backfill shall be used in cross drain applications for all plastic pipes (AASHTO M-294, HDPE pipe; AASHTO M-304, PVC pipe; ASTM F-949, PVC pipe

Michael Baker INTERNATIONAL

420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118



REVISION DATES

GENERAL NOTES

WINDSOR PARKWAY SIDEWALKS

CHECKED: DATE:

BACKCHECKED: DATE:

CORRECTED: DATE:

VERIFIED: DATE:

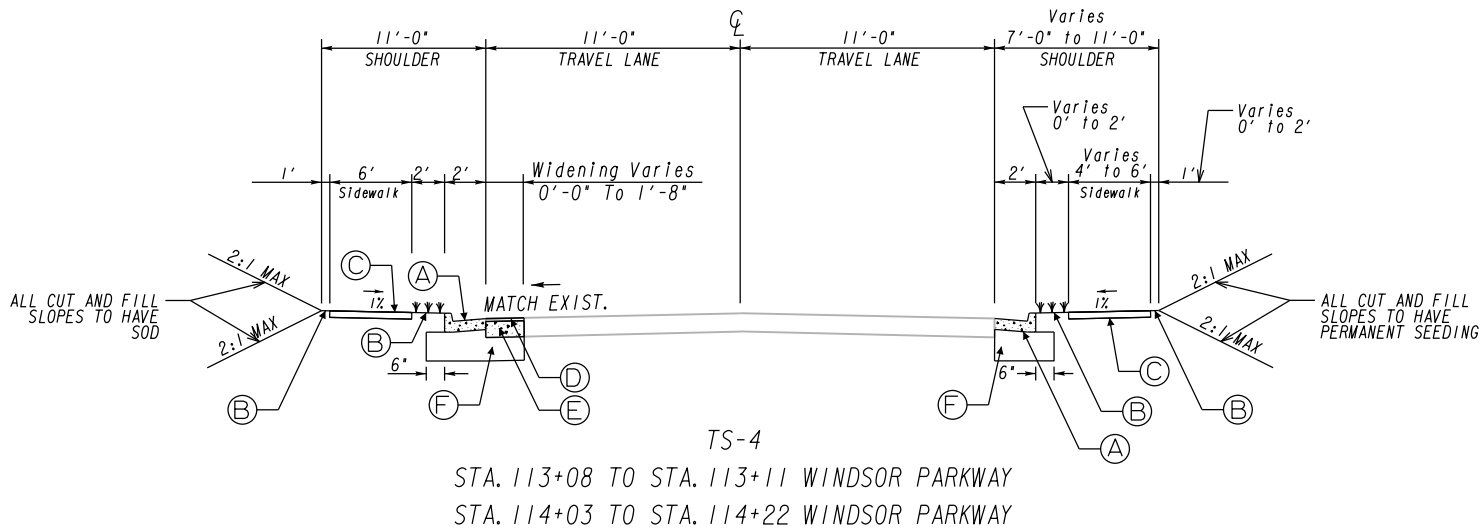
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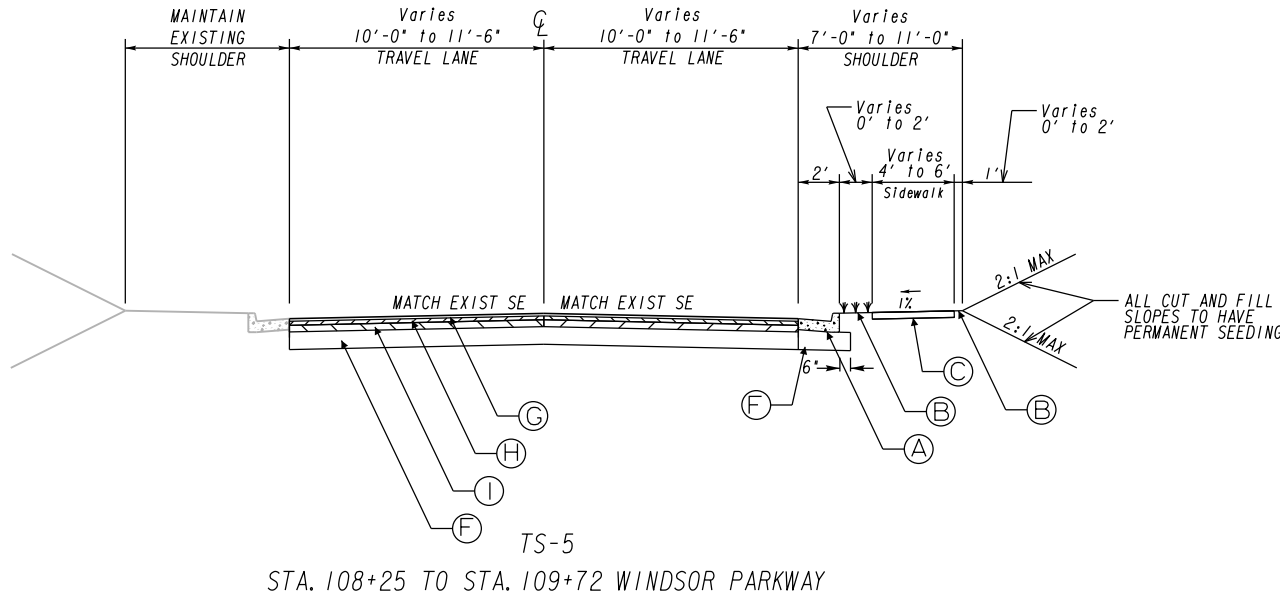
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10/23/2015

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TS-4
STA. 113+08 TO STA. 113+11 WINDSOR PARKWAY
STA. 114+03 TO STA. 114+22 WINDSOR PARKWAY



TS-5
STA. 108+25 TO STA. 109+72 WINDSOR PARKWAY

REQUIRED PAVEMENT

- (A) 8"x24" CONC CURB & GUTTER, GA STD. 9032B, TP 2

(B) SOD STRIP

(C) SPECIAL DETAIL - CONCRETE SIDEWALK DETAILS - CURB CUT (WHEELCHAIR) RAMPS, CONCRETE SIDEWALK, 4" THICK

(D) RECYCLED ASPH CONC 12.5 mm SUPERPAVE 1.5" DEPTH, GP 2, INCL BITUM MATL & H LIME (@ 165 LB/SY)

(E) CLASS "B" CONCRETE BASE

(F) GRADED AGGREGATE BASE, 10", INCL MATL
- (G) REC ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME 220 lb/sy

(H) REC ASPH CONC 19 M SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME 330 lb/sy

(I) REC ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME 660 lb/sy

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REF150
REF140
REF130
REF120
REF110

DRIVEWAY QUANTITIES						
		RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	GR AGGR BASE CRS, INCL MATL	TACK COAT	DRIVEWAY CONCRETE 6IN THK	CONCRETE VALLEY GUTTER 6 IN
Driveway Sta/Side	Alignment	TN	TN	GL	SY	SY
105+42/RT	Windsor Pkwy	0	0	0	34	38
106+14/RT	Windsor Pkwy	0	0	0	13	23
107+46/RT	Windsor Pkwy	2	5	1	0	23
108+78/RT	Windsor Pkwy	0	0	0	15	23
110+49/RT	Windsor Pkwy	0	0	0	23	38
112+13/RT	Windsor Pkwy	0	0	0	19	38
113+23/RT	Windsor Pkwy	0	0	0	28	38
114+43/RT	Windsor Pkwy	0	0	0	81	38
115+68/RT	Windsor Pkwy	0	0	0	16	23
116+90/RT	Windsor Pkwy	0	0	0	29	38
118+11/RT	Windsor Pkwy	0	0	0	24	38
TOTAL	Total	2	5	1	282	358

REF108
REF098
REF088
REF078
REF068

	EROSION CONTROL QUANTITIES		
	DESCRIPTION	UNITS	QUANTITY
163-0232	TEMPORARY GRASSING	AC	1
163-0240	MULCH	TN	14
163-0300	CONSTRUCTION EXIT	EA	2
163-0550	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	EA	10
165-0030	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	LF	1705
165-0101	MAINTENANCE OF CONSTRUCTION EXIT	EA	2
165-0105	MAINTENANCE OF INLET SEDIMENT TRAP	EA	10
167-1000	WATER QUALITY MONITORING AND SAMPLING	EA	4
167-1500	WATER QUALITY INSPECTIONS	MO	12
171-0030	TEMPORARY SILT FENCE, TYPE C	LF	3410
700-6910	PERMANENT GRASSING	AC	1
700-7000	AGRICULTURAL LIME	TN	3
700-8000	FERTILIZER MIXED GRADE	TN	1
700-8100	FERTILIZER NITROGEN CONTENT	LB	50
700-9300	SOD	SY	180

SUMMARY OF QUANTITIES

STRUCTURE NUMBER	LOCATION	TYPE OF DRAINAGE QUANTITY		APPROXIMATE GRADE OF PIPE	MAXIMUM HEIGHT OF FILL OVER PIPE			CATCH BASINS,DROP INLETS, MANHOLES, & JB					
						CATCH BASIN, GP 1, SPCL DES	CATCH BASIN, GP 1, ADDL DEPTH, SPCL DES	CATCH BASIN, GP 1 GA. STD 1033D	CATCH BASIN, GP 1 ADDL DEPTH	JUNCTION BOX, SPCL DES - MANHOLE, TP 2	DROP INLET, GP 1 GA. STD. 1019A	DROP INLET, GP 1 ADDL DEPTH	
						6' 0" OR LESS	ADDL DEPTH	6' 0" OR LESS	ADDL DEPTH	6' 0" OR LESS	6' 0" OR LESS	ADDL DEPTH	
		STORM DRAIN (LF)		%	FEET	EA	LF	EA	LF	EA	EA	LF	
		18"	72"										
		H 1-10	H 1-10										
B-6	116+53, 15' RT							1					
B-5	114+83, 15' RT	165		5.91	4			1					
B-4.5	113+84, 15' RT	94		7.18	4			1	0.03				
B-4	112+90, 15' RT	91		6.04	4			1					
B-3	110+17, 16' RT	275		5.45	4			1					
B-2	109+52, 16' RT	68		5.88	4	1	10.84						
B-1.5	108+56, 15' RT		93	0.50	10					1			
B-1	108+47, 13' RT	7		1.00	9						1	6.44	
As Directed by Engineer													
TOTALS		700	93			1	10.84	5	0.03	1	1	6.44	

GUARDRAIL QUANTITIES			
LOCATION/SIDE	W-BEAM	ANCHORAGES (EA)	
	LF	TP 1	TP 12A
106+93 to 107+13 RT	25	1	1
108+22 to 108+44 RT	25	1	1
TOTAL	50	2	2

EXISTING FENCE		
DESCRIPTION	UNITS	QUANTITY
REM WOOD FENCE	LF	247
RESET FENCE	LF	100

SUMMARY OF QUANTITIES

STATION	INSTL. NO.	HIGHWAY SIGNS												SQUARE TUBE POST									BREAKAWAY SIGN SUPPORT (EACH)	
		SIGN CODE	TP 1 MATL, REFL SHEETING TP 9			TP 2 MATL, REFL SHEETING TP 9			TP 1 MATL, REFL SHEETING TP 11			TP 2 MATL, REFL SHEETING TP 11			TYPE 7			TYPE 8			TYPE 9			
			SIZE (IN)	QTY	SQ FEET	SIZE	QTY	SQ FEET	SIZE	QTY	SQ FEET	SIZE	QTY	SQ FEET	LENGTH (FEET)	QTY	TOTAL LENGTH	LENGTH (FEET)	QTY	TOTAL LENGTH	LENGTH (FEET)	QTY		TOTAL LENGTH
Windsor Parkway																								
106+64	1	W1-10	36X36	1	9.00										14.75	1	14.75							
108+49	2	W1-8L	18X24	1	3.00										12.50	1.00	12.50							
		W1-8R	18X24	1	3.00																			
109+50	3	W1-8L	18X24	1	3.00										12.50	1.00	12.50							
		W1-8R	18X24	1	3.00																			
110+26	4	W1-8L	18X24	1	3.00										12.50	1.00	12.50							
		W1-8R	18X24	1	3.00																			
111+57	5	W11-2	30X30	1	6.95																15.00	1.00	15.00	
		W16-9P	24X12	1	2.00																			
112+36	6	W1-2R	36X36	1	9.00										14.75	1.00	14.75							
113+87	7	R560-5	24X18	1	3.00										12.50	1.00	12.50							
114+04	7	W11-2	30X30	1	6.95																15.00	1.00	15.00	
		W16-7P	24X12	1	2.00																			
114+19	8	W11-2	30X30	1	6.95																15.00	1.00	15.00	
		W16-7P	24X12	1	2.00																			
114+80	9	R560-5	24X18	1	3.00										12.50	1.00	12.50							
115+88	10	W1-2R	36X36	1	9.00										14.75	1.00	14.75							
116+65	11	W11-2	30X30	1	6.95																15.00	1.00	15.00	
		W16-9P	24X12	1	2.00																			
TOTAL				19	87		0	0		0	0		0	0		8	107		0	0		4	60	0

STRIPING		
DESCRIPTION	UNITS	QUANTITY
THERMOPLASTIC PVMT MARKING, ARROW, TP 2	EA	2
THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	LF	1,940
THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	GLF	30
THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	LF	120

EXISTING SIGNAGE		
DESCRIPTION	UNITS	QUANTITY
REM SIGN	EA	1
RESET SIGN	EA	1

\$REF10\$
\$REF09\$
\$REF08\$
\$REF07\$
\$REF06\$

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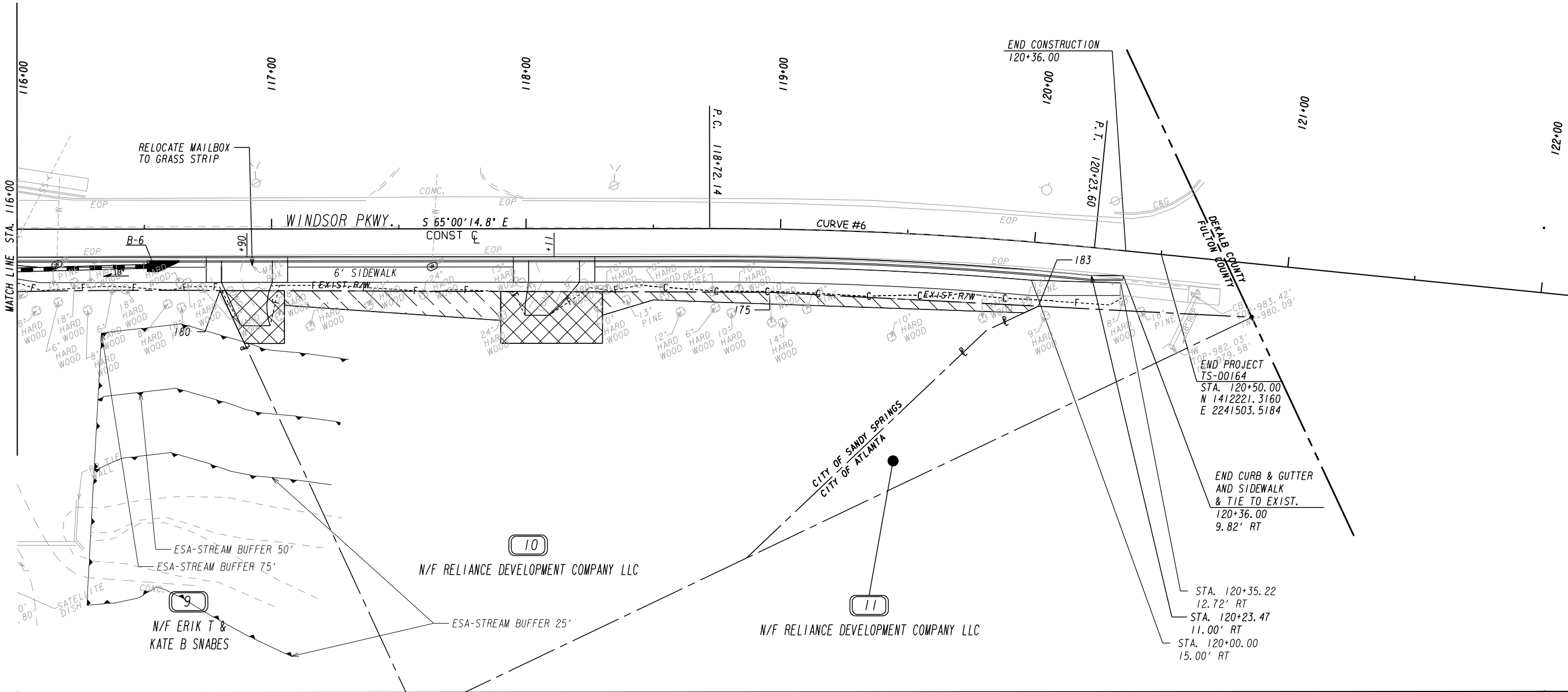
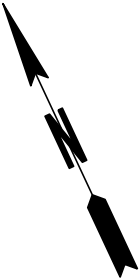
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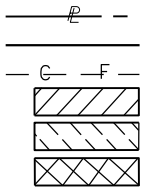
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<h3 style="margin: 0;">WINDSOR PARKWAY SIDEWALKS</h3> <h3 style="margin: 0;">STA. 105+50 TO STA. 110+50</h3>			
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VERIFIED:		DATE:	
			DRAWING No. 13-0002

GPLN

WINDSOR PARKWAY
Curve# 6
PI Sta= 119+47.94
N= 1412273.6141
E= 2241415.7212
DELTA= 05°47'06.3" (RT)
D= 03°49'10.99"
T= 75.79
L= 151.45
R= 1500.00
E= 1.91

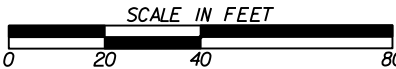


PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES



BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

Michael Baker
INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118



REVISION DATES

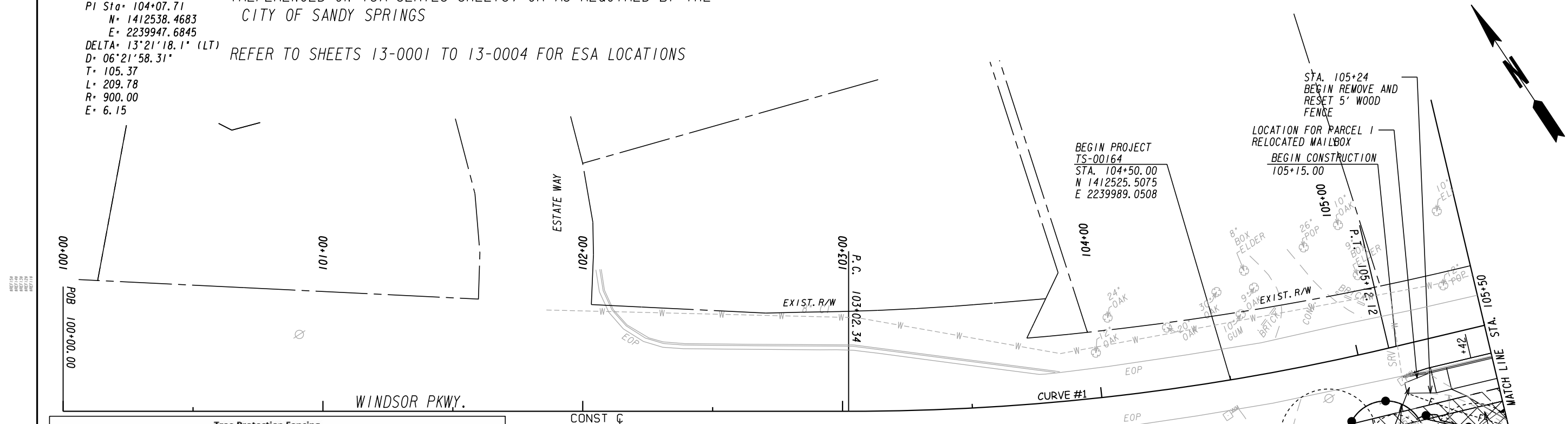
NO.	DATE	DESCRIPTION

CONSTRUCTION PLAN

WINDSOR PARKWAY SIDEWALKS
STA. 116+00 TO END PROJECT

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BACKCHECKED:	DATE:	13-0004
CORRECTED:	DATE:	
VERIFIED:	DATE:	

REFER TO SHEETS 13-0001 TO 13-0004 FOR ESA LOCATIONS



Use as many stakes as required to extend fencing to furthest limits of CRZ or as shown on plans

Secure fencing material to 2x2 p.t. wood stakes or metal fence posts, spaced at 6' o.c. max.

DBH: Diameter Breast Height, measured at 4.5' above finish grade

Orange laminated safety netting or equivalent

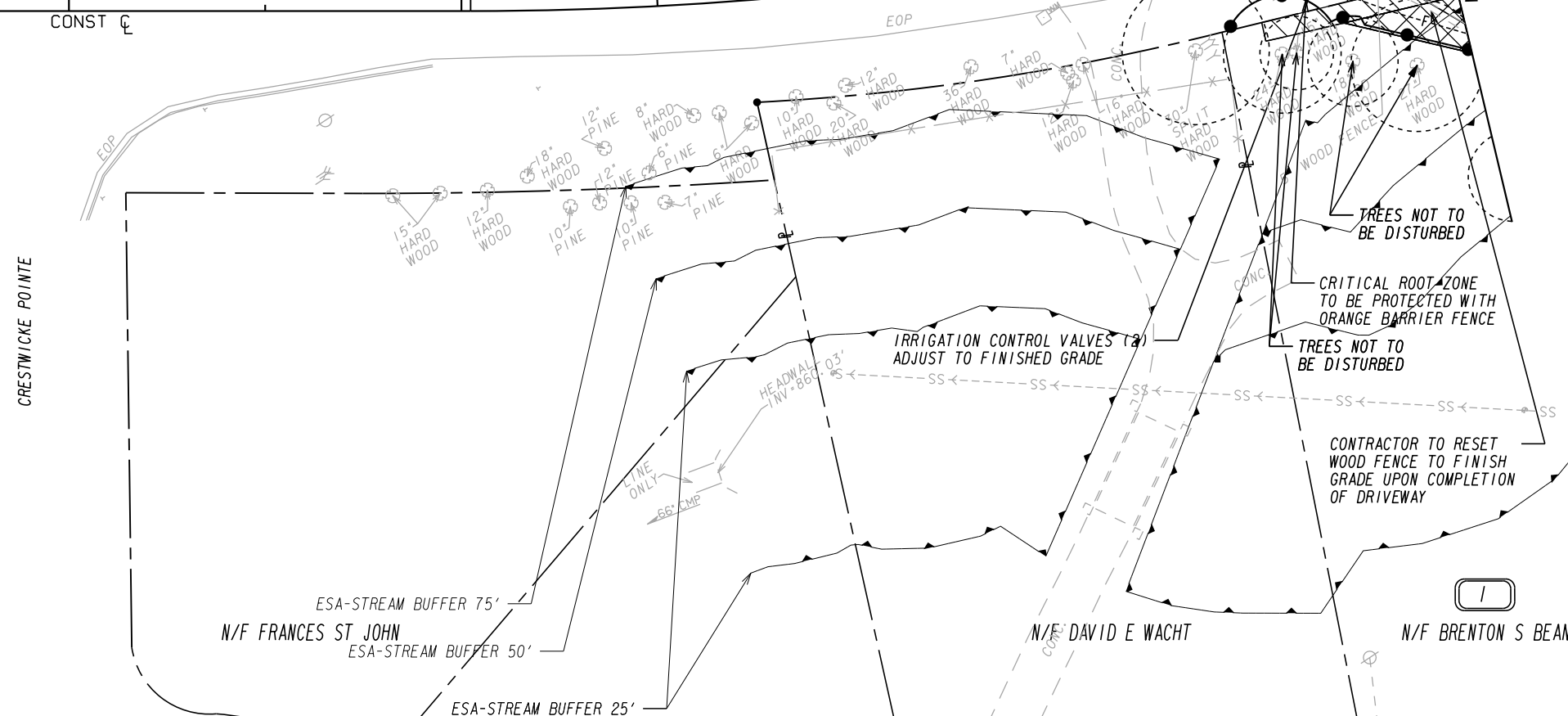
Provide 3" mulch over bare areas in critical root zone, keep 6" away from base of plants

DBH

Stakes to be 4' min. above grade, 2' min. below grade

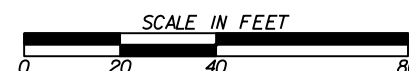
COSS requires protected CRZ equivalent to 1.25' radius per 1" DBH, or as per COSS

FENCE LOCATION
at edges of Critical Root Zone: CRZ
diameter = 15 x DBH



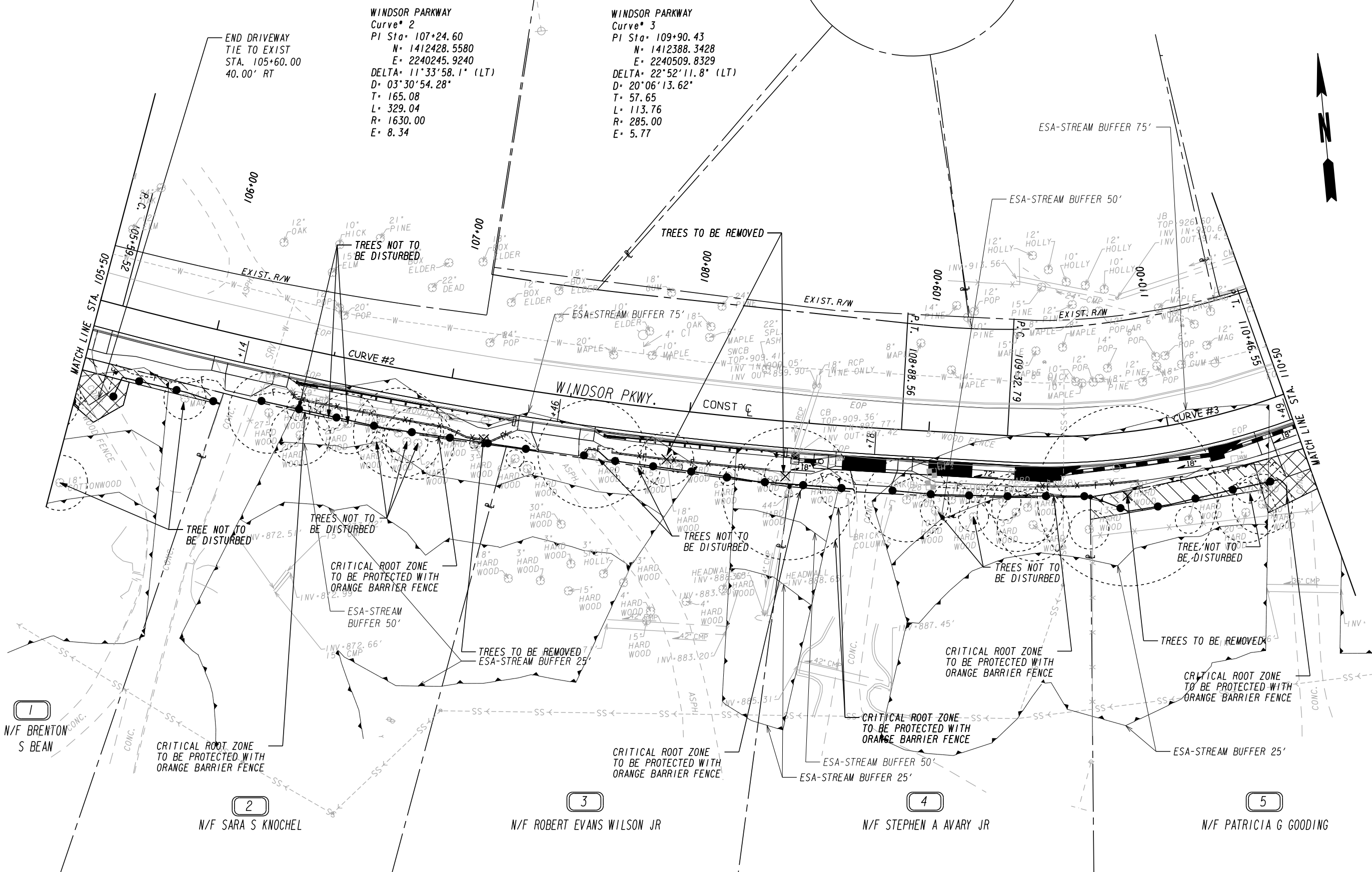
BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS -
REQ'D R/W & LIMIT OF ACCESS -
ORANGE BARRIER FENCE -
ESA - ENV. SENSITIVE AREA -
(SEE ERIT TABLE)

Michael Baker
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420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118



WINDSOR PARKWAY SIDEWALKS
BEGIN PROJECT TO STA. 105+50

CHECKED:	DATE:	DRAWING No. 13A-0001
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

Michael Baker
INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS
GEORGIA
SCALE IN FEET
0 20 40 80

REVISION DATES

TREE PROTECTION PLAN
WINDSOR PARKWAY SIDEWALKS
STA. 105+50 TO STA. 110+50

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13A-0002

GPLN

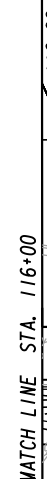
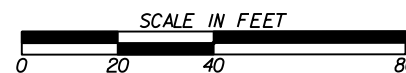


Diagram illustrating a three-layered system. The top layer is labeled P . The middle layer is labeled G and F . The bottom layer is hatched with diagonal lines.

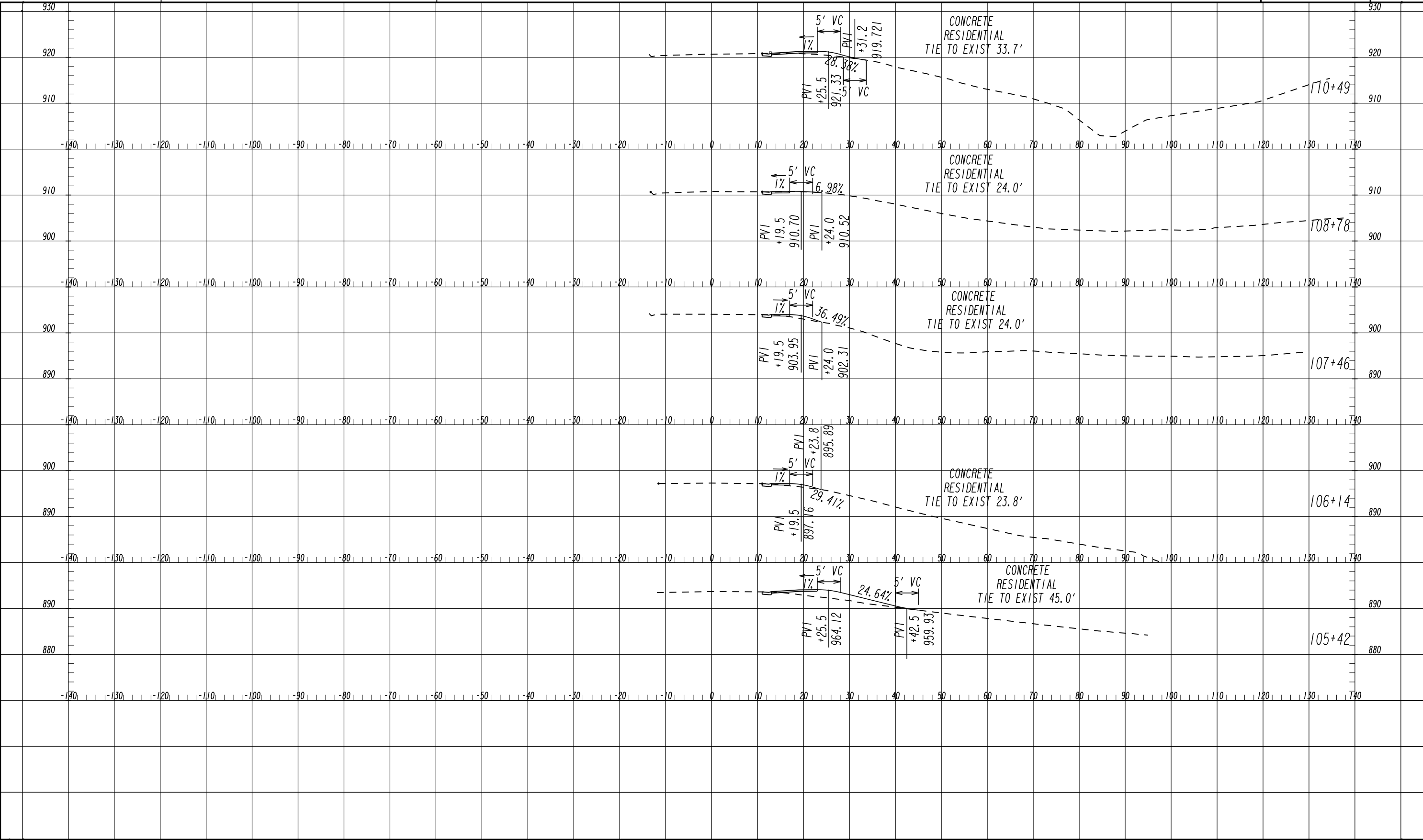
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NORCROSS, GEORGIA 30092
(770) 263-9118

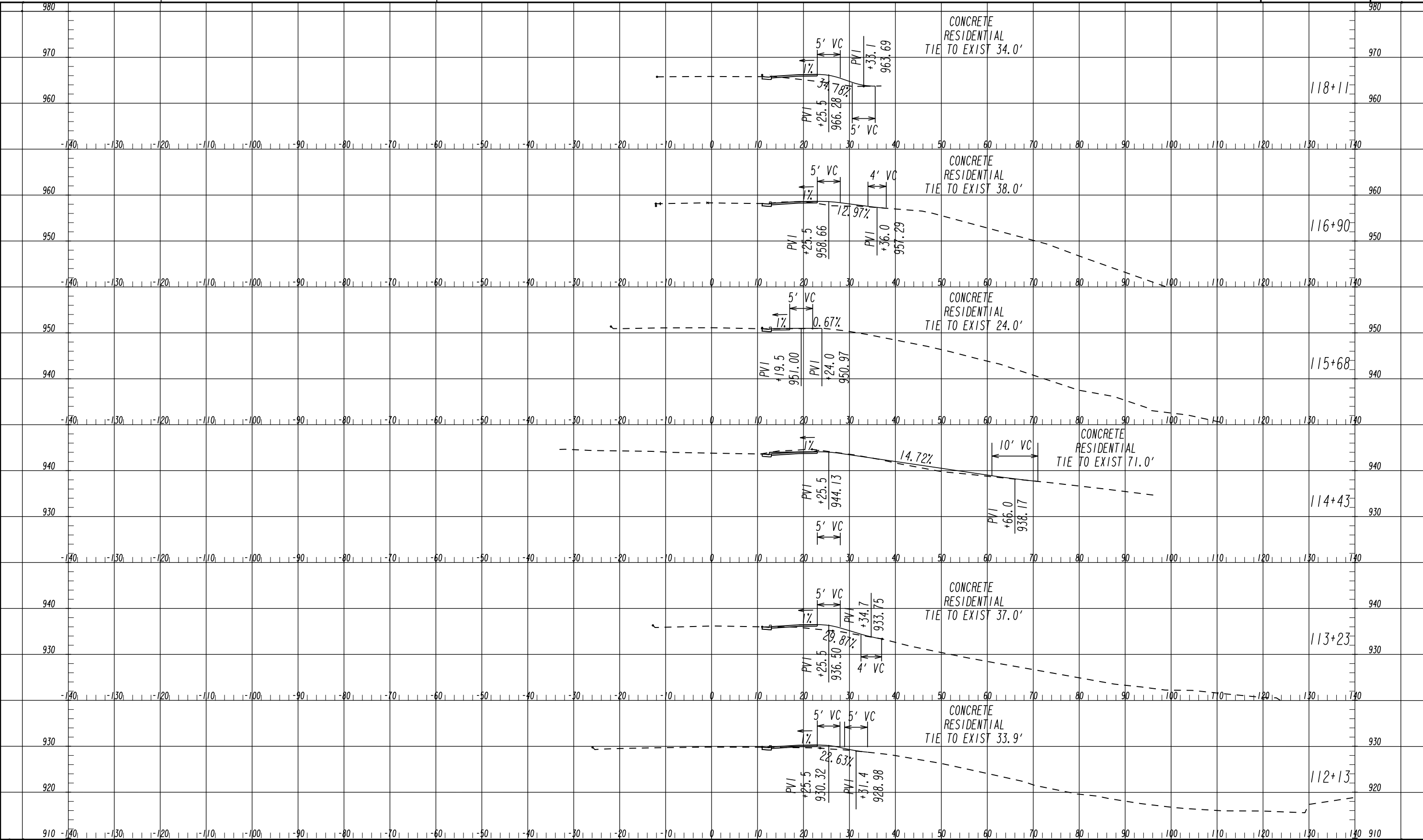


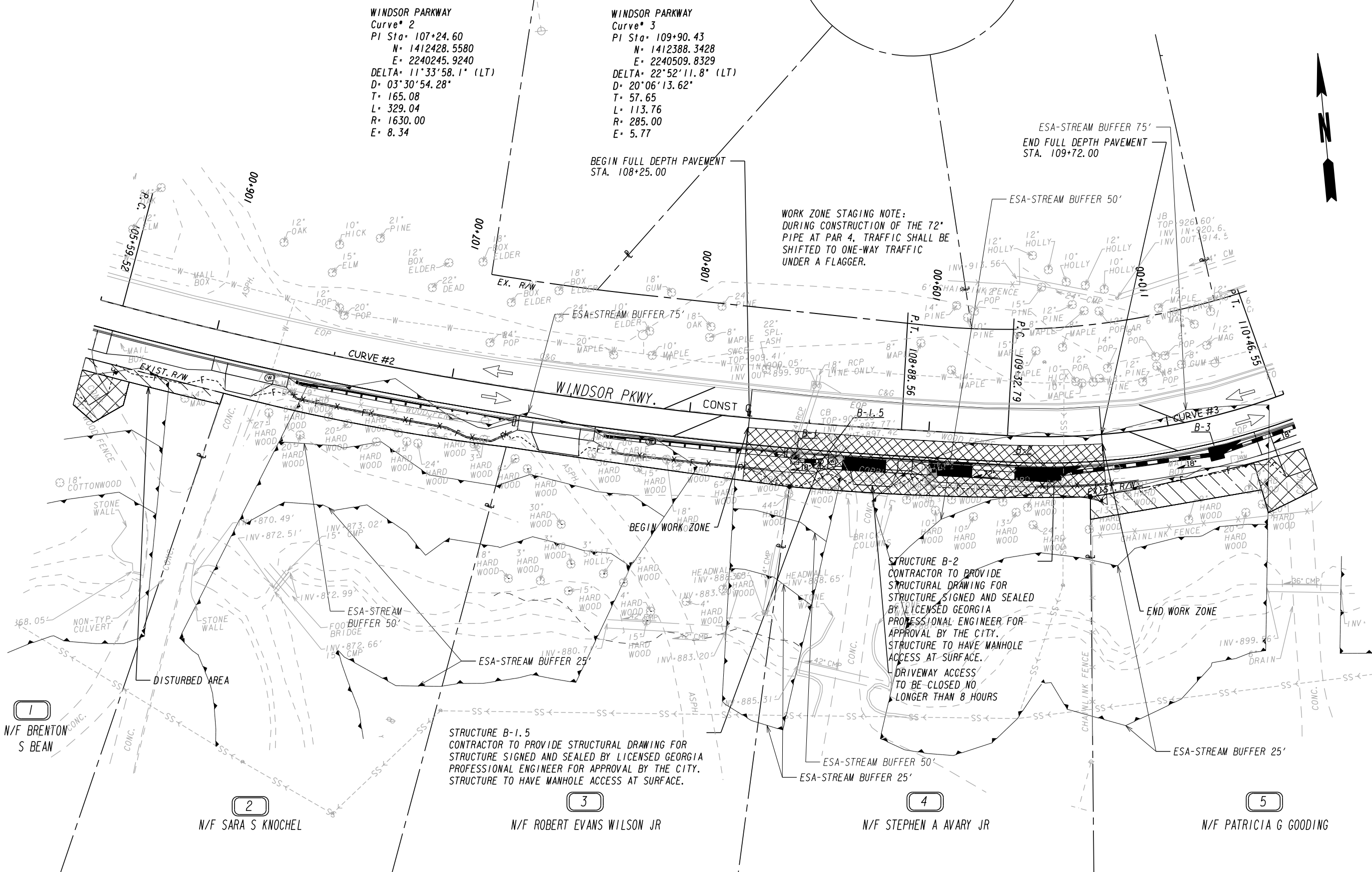
<p align="center"><i>TREE PROTECTION PLAN</i></p> <p align="center"><i>WINDSOR PARKWAY SIDEWALKS</i></p> <p align="center"><i>STA. 116+00 TO END PROJECT</i></p>			
CHECKED:		DATE:	DRAWING No. 13A-0004
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

WINDSOR PARKWAY SIDEWALKS
STA. 116+00 TO END PROJECT

	DRAWING No.
	13A-0004







WINDSOR PARKWAY
Curve# 2
PI Sta= 107+24.60
N= 1412428.5580
E= 2240245.9240
DELTA= 11°33'58.1" (LT)
D= 03°30'54.28"
T= 165.08
L= 329.04
R= 1630.00
E= 8.34

WINDSOR PARKWAY
Curve# 3
PI Sta= 109+90.43
N= 1412388.3428
E= 2240509.8329
DELTA= 22°52'11.8" (LT)
D= 20°06'13.62"
T= 57.65
L= 113.76
R= 285.00
E= 5.77

WORK ZONE STAGING NOTE:
DURING CONSTRUCTION OF THE 72"
PIPE AT PAR 4, TRAFFIC SHALL BE
SHIFTED TO ONE-WAY TRAFFIC
UNDER A FLAGGER.

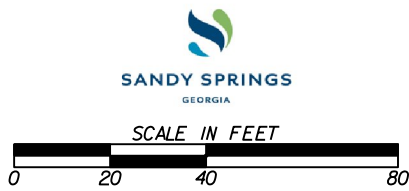
STRUCTURE B-2
CONTRACTOR TO PROVIDE
STRUCTURAL DRAWING FOR
STRUCTURE SIGNED AND SEALED
BY LICENSED GEORGIA
PROFESSIONAL ENGINEER FOR
APPROVAL BY THE CITY.
STRUCTURE TO HAVE MANHOLE
ACCESS AT SURFACE.
DRIVEWAY ACCESS
TO BE CLOSED NO
LONGER THAN 8 HOURS

STRUCTURE B-1.5
CONTRACTOR TO PROVIDE STRUCTURAL DRAWING FOR
STRUCTURE SIGNED AND SEALED BY LICENSED GEORGIA
PROFESSIONAL ENGINEER FOR APPROVAL BY THE CITY.
STRUCTURE TO HAVE MANHOLE ACCESS AT SURFACE.

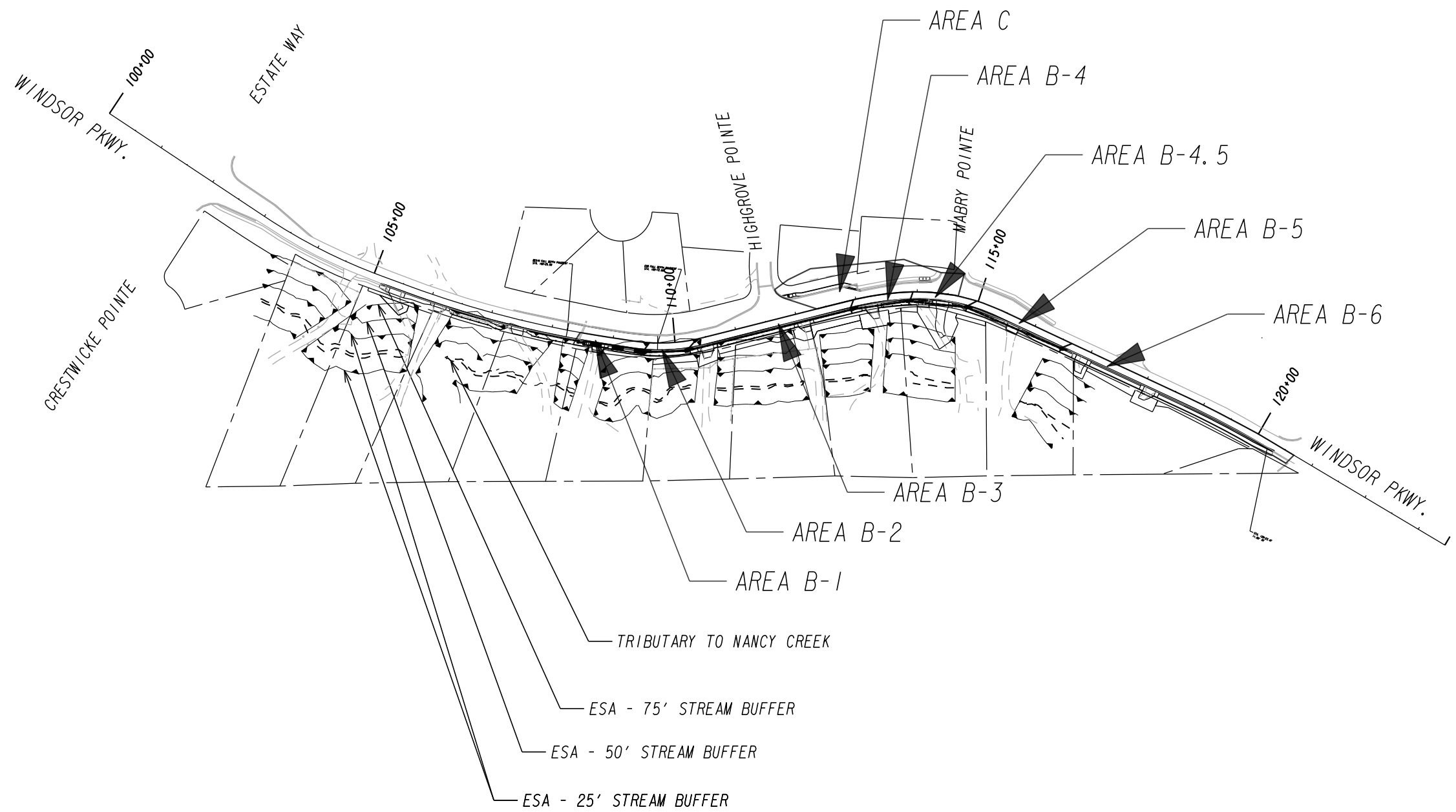
PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

Michael Baker
INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118



REVISION DATES		SPECIAL GRADING	
		WINDSOR PARKWAY SIDEWALKS STA. 105+50 TO STA. 110+50	
CHECKED:	DATE:	BACKCHECKED:	DATE:
CORRECTED:	DATE:	VERIFIED:	DATE:
		DRAWING No. 18-0002	



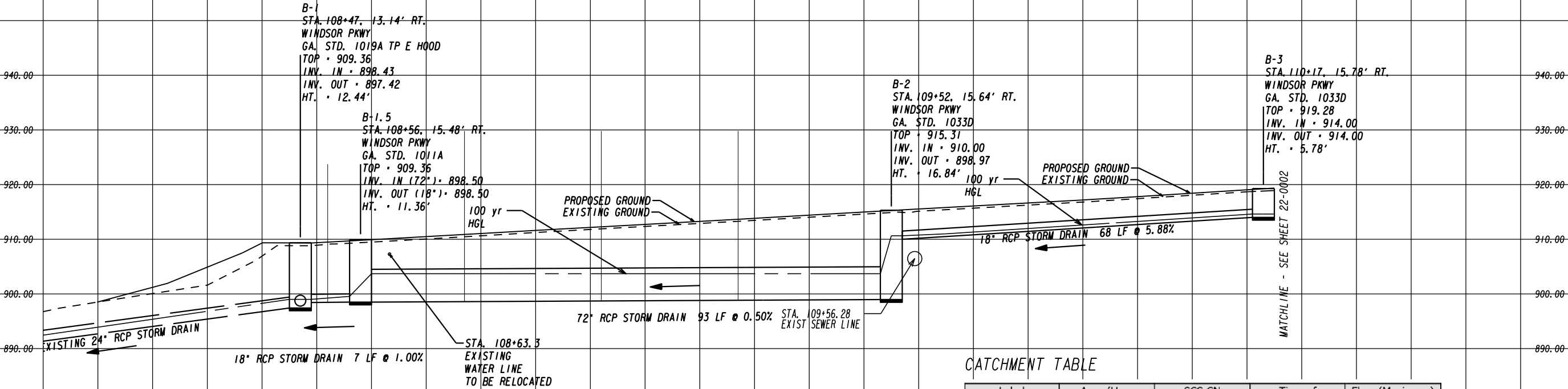
TOTAL PROJECT AREA = 0.91 AC
TOTAL DISTURBED AREA = 0.89 AC

CATCH BASIN TABLE

Label	Elevation (Invert) (ft)	Elevation (Ground) (ft)	Hydraulic Grade (Maximum) (ft)
B-1	897.42	909.35	898.70
B-1A	899.90	909.41	901.74
B-1B	902.41	907.00	903.78
B-2	899.00	915.31	910.28
B-3	914.00	919.28	914.45
B-4	929.00	934.45	929.38
B-4.5	934.50	940.03	934.85
B-5	941.25	946.47	941.56
B-6	951.00	956.26	951.27

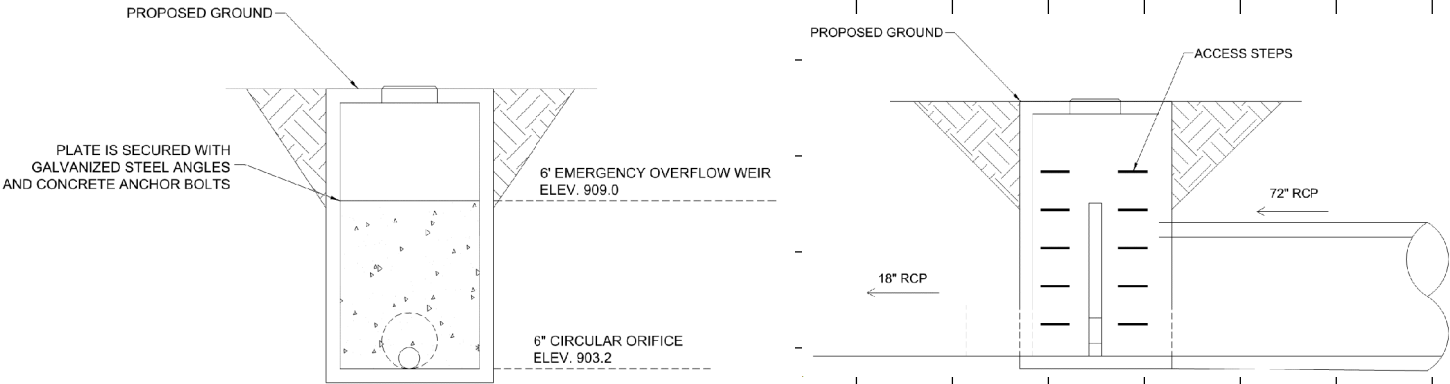
CONDUIT TABLE

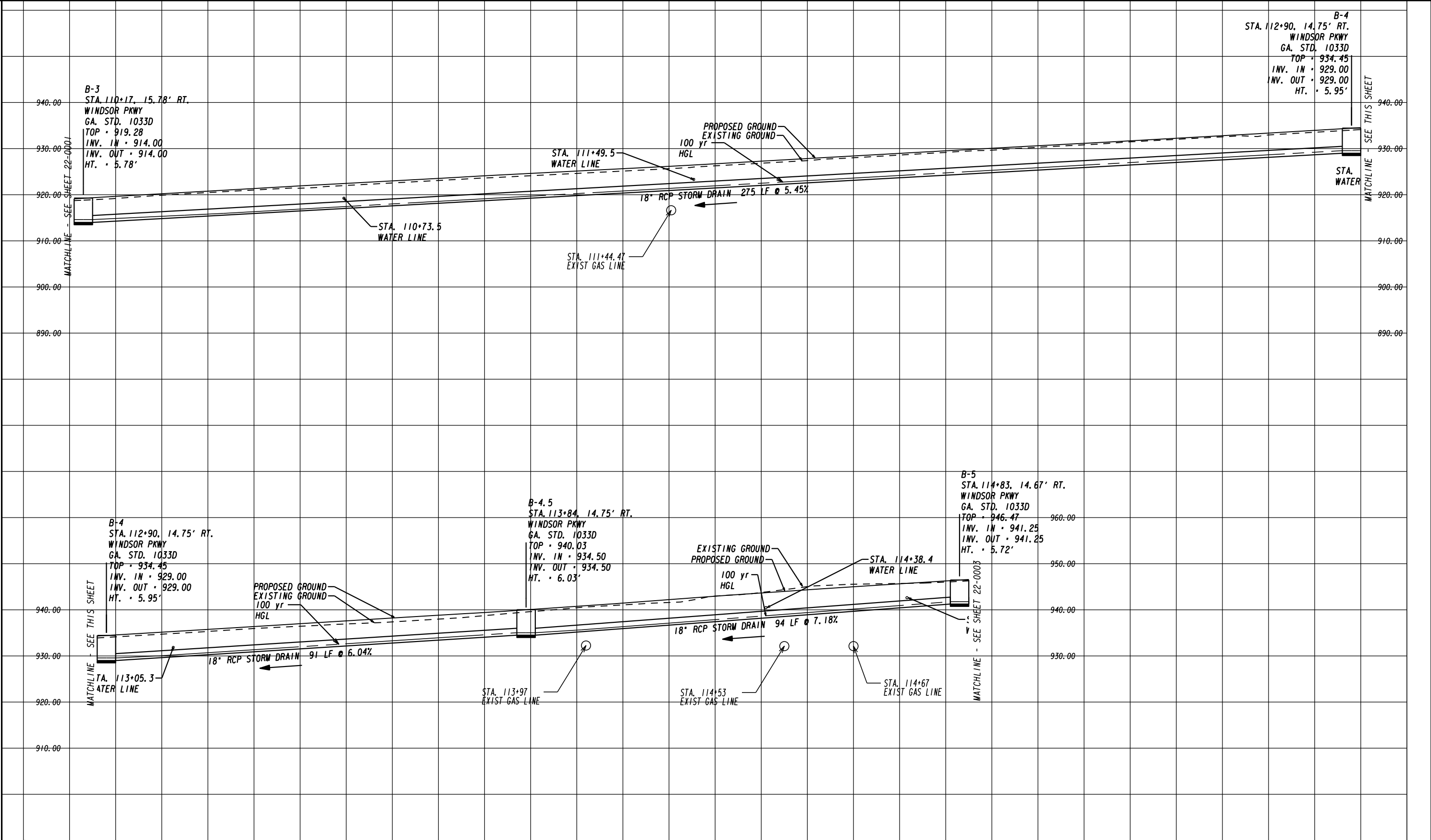
Label	Diameter (in)	Length (User Defined) (ft)	Material	Manning's n	Flow (Maximum) (cfs)	Capacity (Full Flow) (cfs)	Velocity (Maximum Calculated) (ft/s)
B-1.5 to B-1	18.0	7.0	Concrete	0.013	2.04	10.50	9.44
B-2 to B-1.5	72.0	97.0	Concrete	0.013	3.52	304.04	0.22
B-3 to B-2	18.0	68.0	Concrete	0.013	4.57	25.48	10.85
B-4 to B-3	18.0	275.0	Concrete	0.013	3.36	24.53	9.64
B-4.5 to B-4	18.0	91.0	Concrete	0.013	2.90	25.82	9.62
B-5 to B-4.5	18.0	94.0	Concrete	0.013	2.52	28.15	9.88
B-6 to B-5	18.0	165.0	Concrete	0.013	1.78	25.53	8.36
EX B-1 to B-0	21.0	67.0	Concrete	0.015	29.83	49.68	21.62
EX B-1A to B-1	24.0	28.0	Concrete	0.013	27.49	62.39	19.31
EX B-1B to B-1A	18.0	50.0	Concrete	0.013	24.39	21.01	14.42



CATCHMENT TABLE

Label	Area (User Defined) (acres)	SCS CN	Time of Concentration (hours)	Flow (Maximum) (cfs)
A Offsite	3.900	68.000	0.190	18.89
A Onsite	0.360	89.000	0.083	3.19
B-1	0.060	95.000	0.083	0.56
B-1A	0.600	95.000	0.083	5.62
B-1B	4.400	80.000	0.300	24.40
B-2	0.040	95.000	0.083	0.37
B-3	0.130	95.000	0.083	1.22
B-4	0.050	95.000	0.083	0.47
B-4.5	0.040	95.000	0.083	0.37
B-5	0.080	95.000	0.083	0.75
B-6	0.190	95.000	0.083	1.78
Creek	19.900	68.000	0.190	96.41





SANDY SPRINGS
GEORGIA

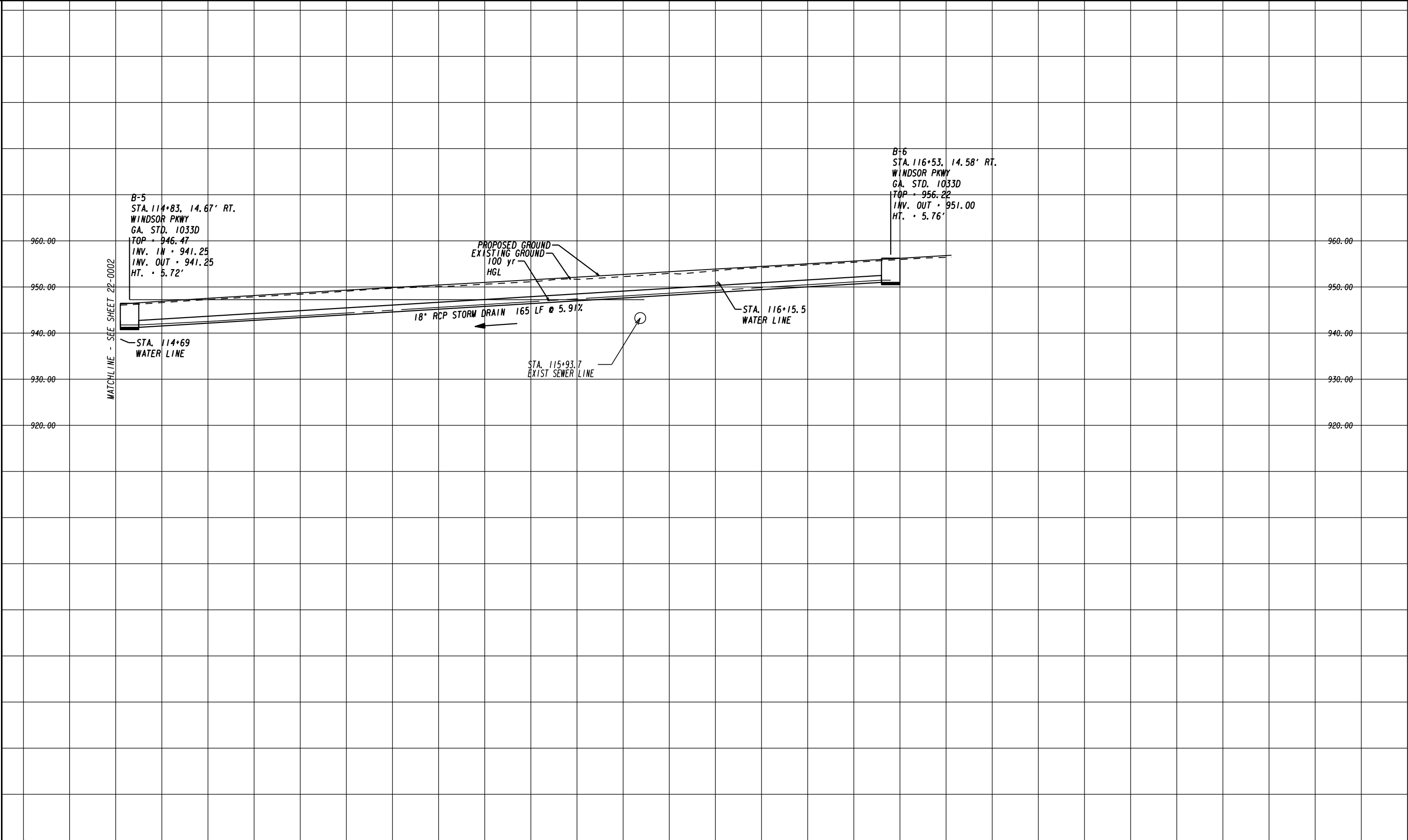
Michael Baker
INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

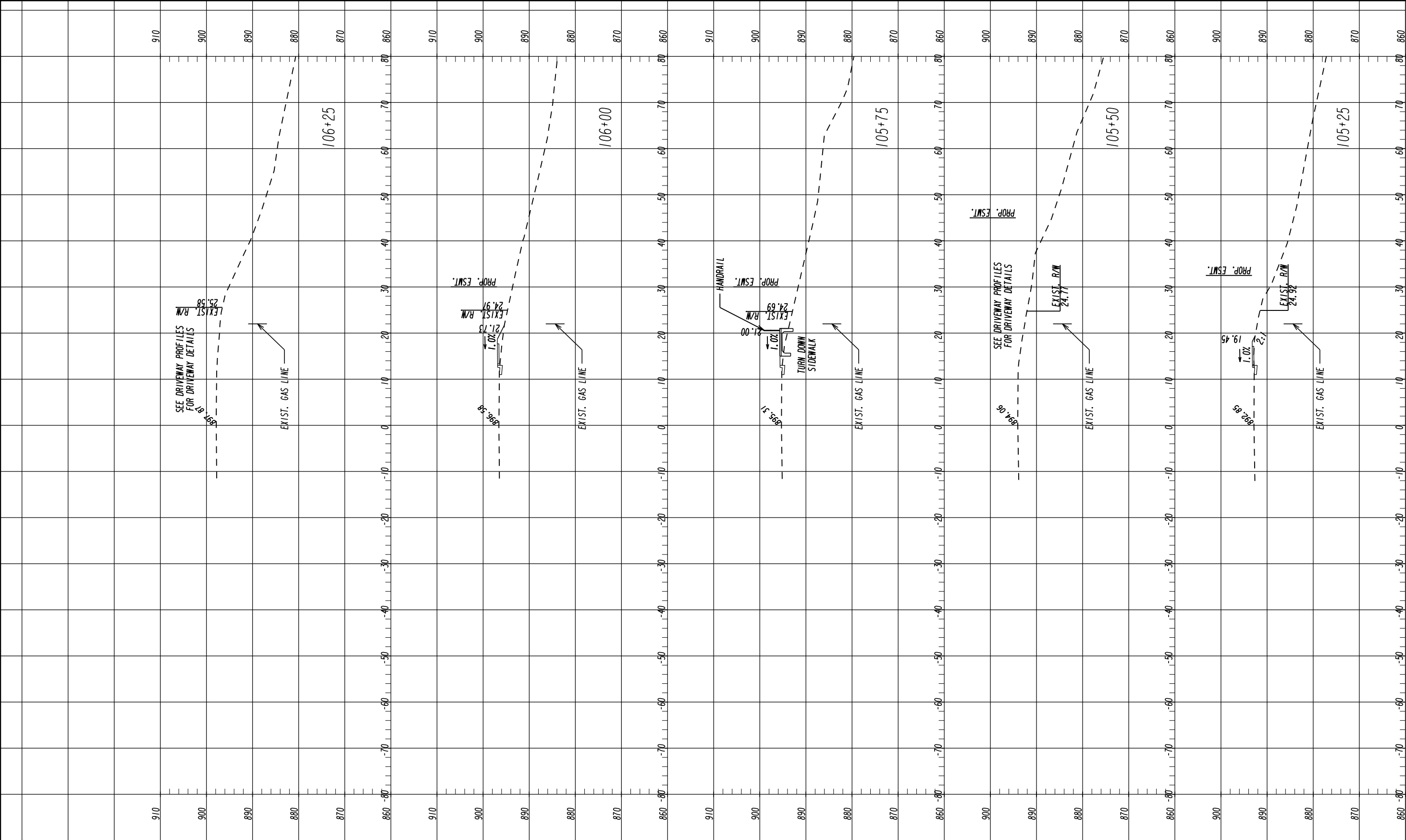
Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES	

DRAINAGE PROFILES WINDSOR PARKWAY SIDEWALKS			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

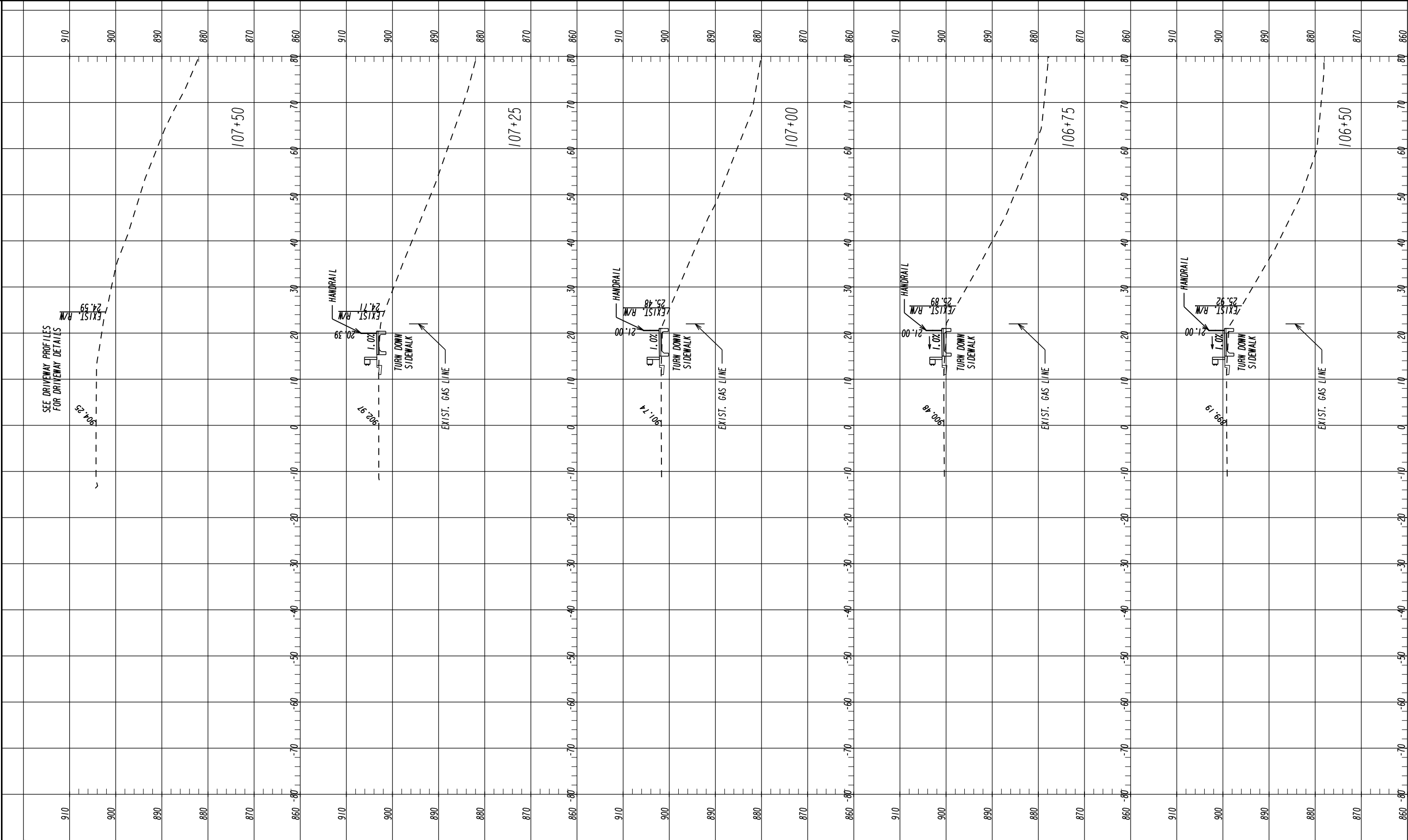
DRAWING No.
22-0002





Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES				CROSS SECTIONS			
				WINDSOR PARKWAY SIDEWALKS			
				CHECKED:		DATE:	
				BACKCHECKED:		DATE:	
				CORRECTED:		DATE:	
				VERIFIED:		DATE:	
				DRAWING No.			
				23-0001			



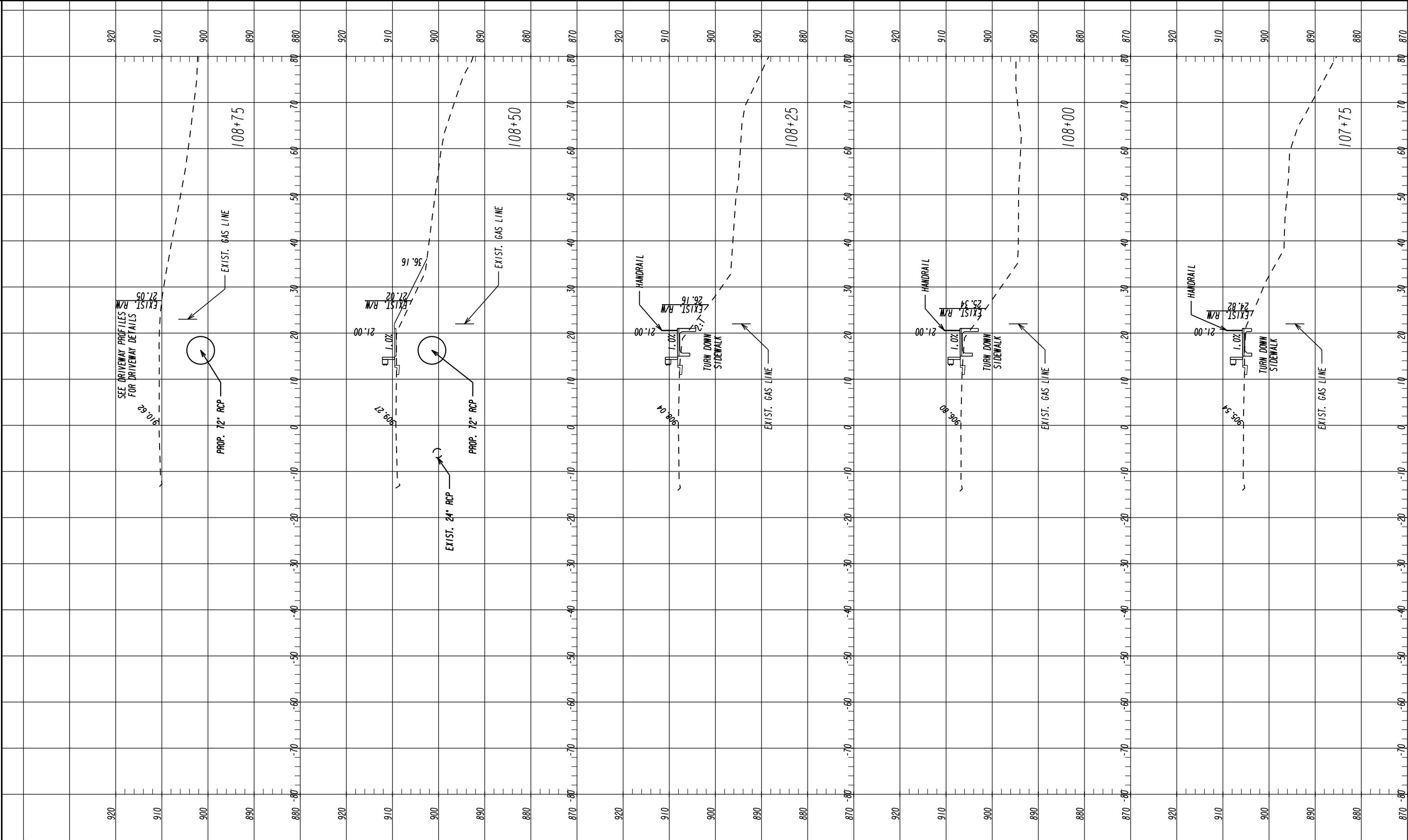
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9116

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES		

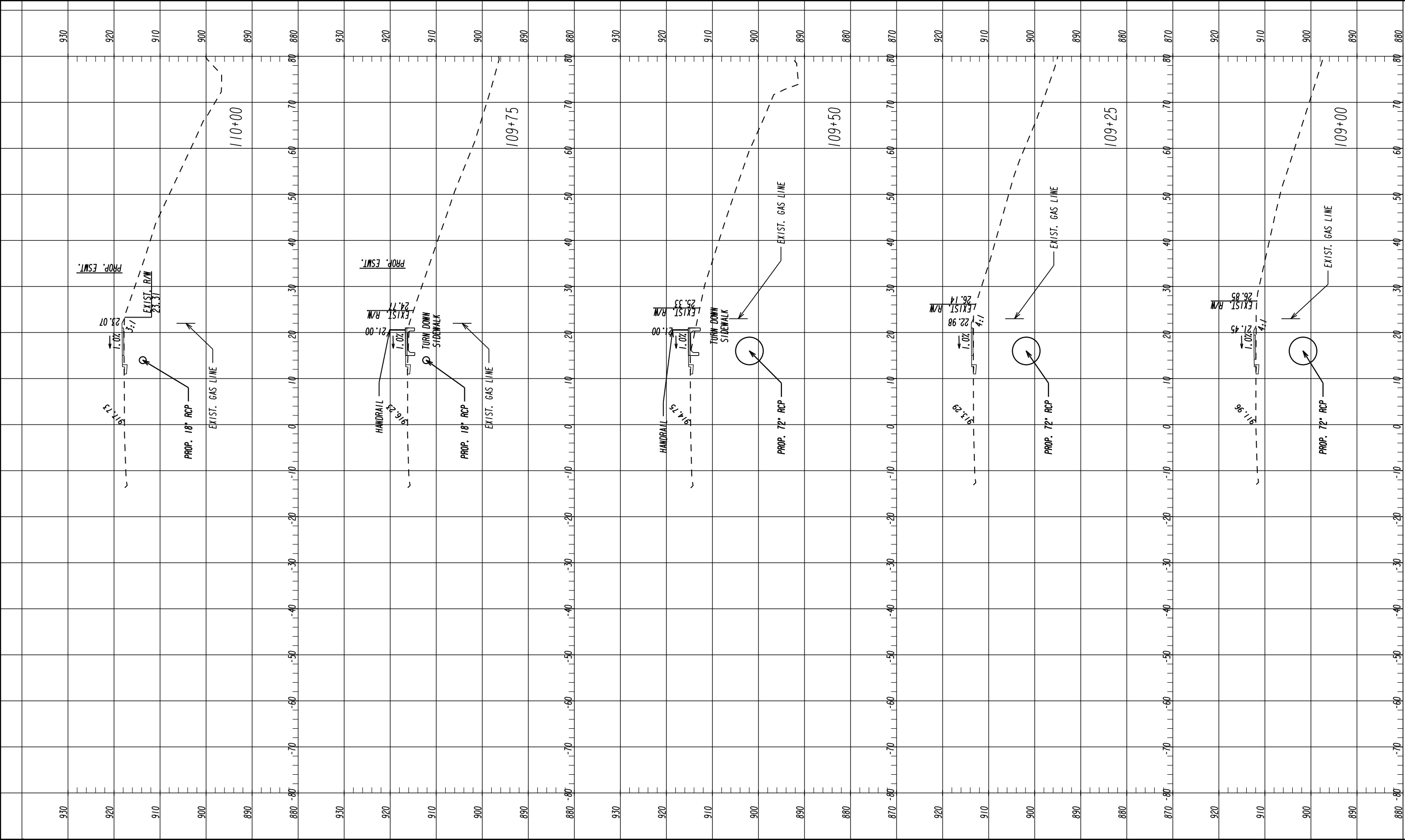
CROSS SECTIONS
WINDSOR PARKWAY SIDEWALKS

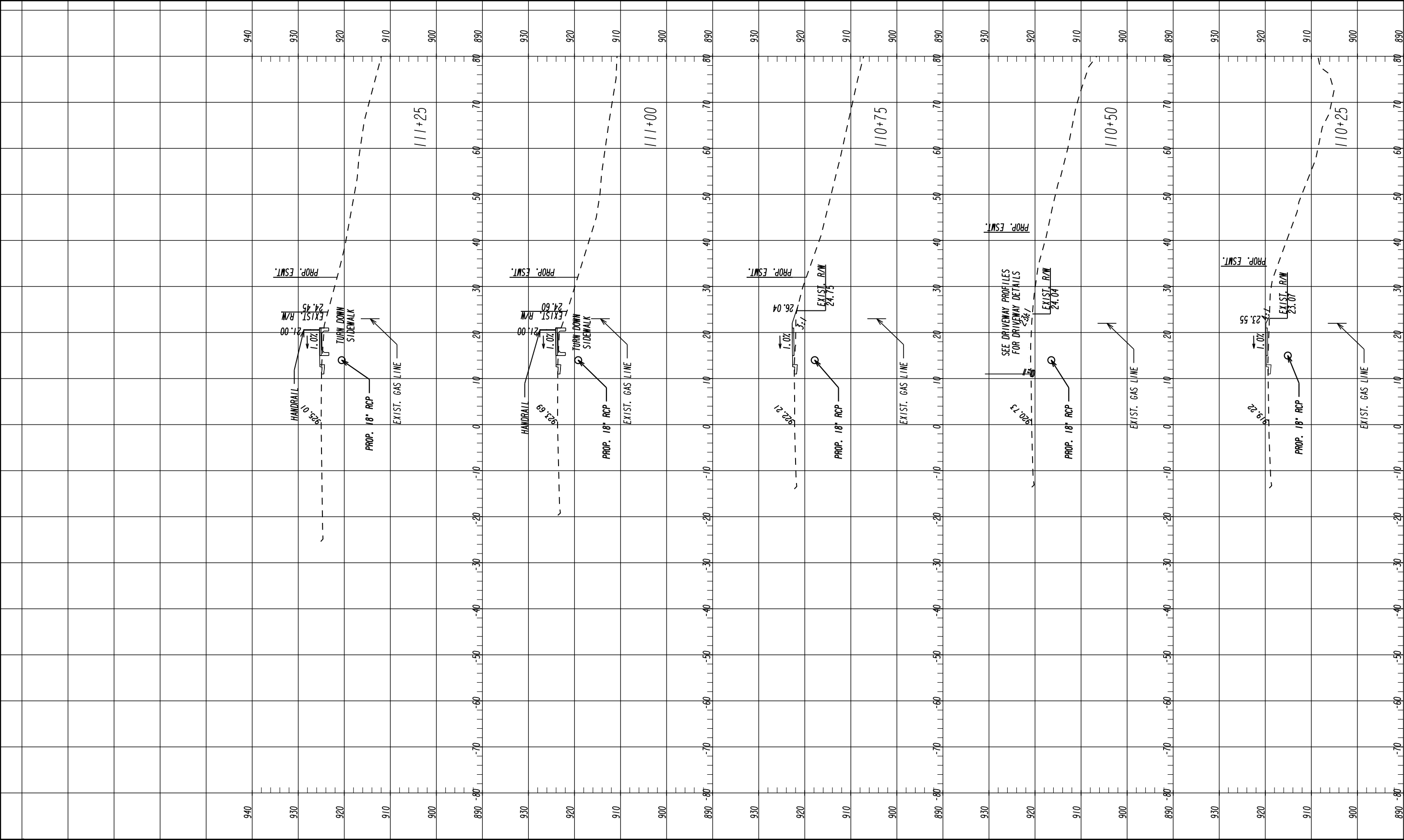
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CORRECTED:		DATE:		
VERIFIED:		DATE:		

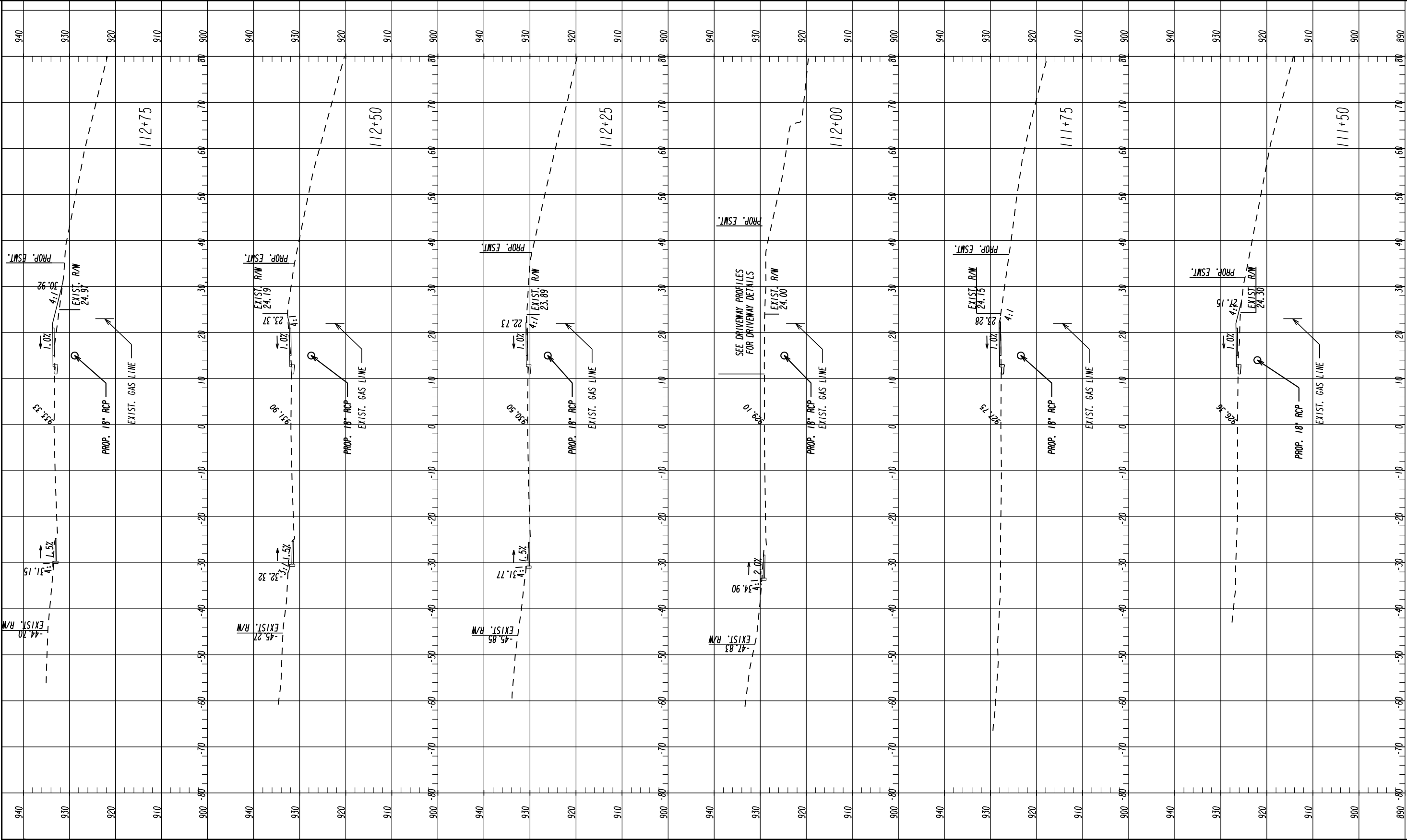


Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES			CROSS SECTIONS			
			WINDSOR PARKWAY SIDEWALKS			
			CHECKED:		DATE:	DRAWING No.
			BACKCHECKED:		DATE:	23-0003
			CORRECTED:		DATE:	
			VERIFIED:		DATE:	

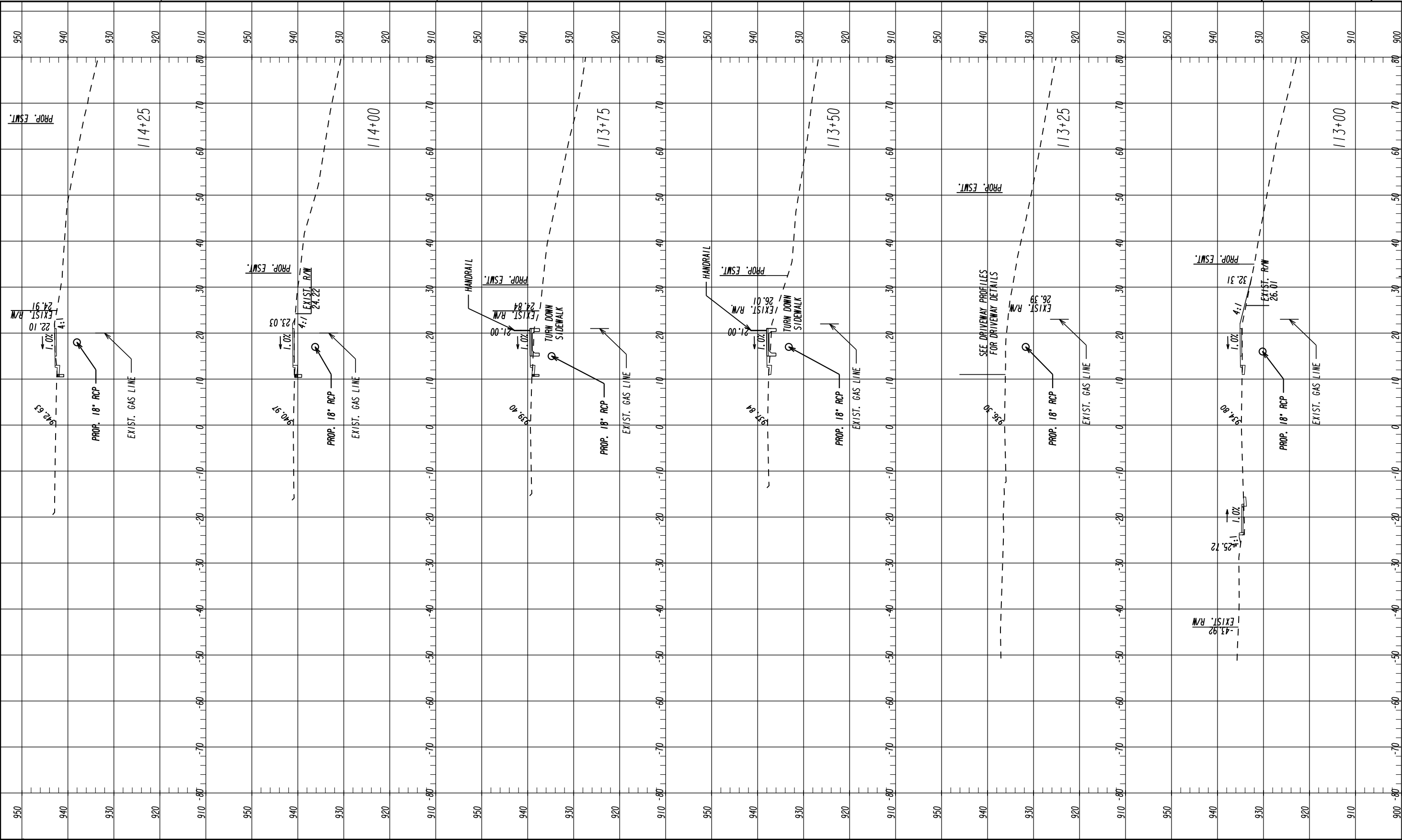






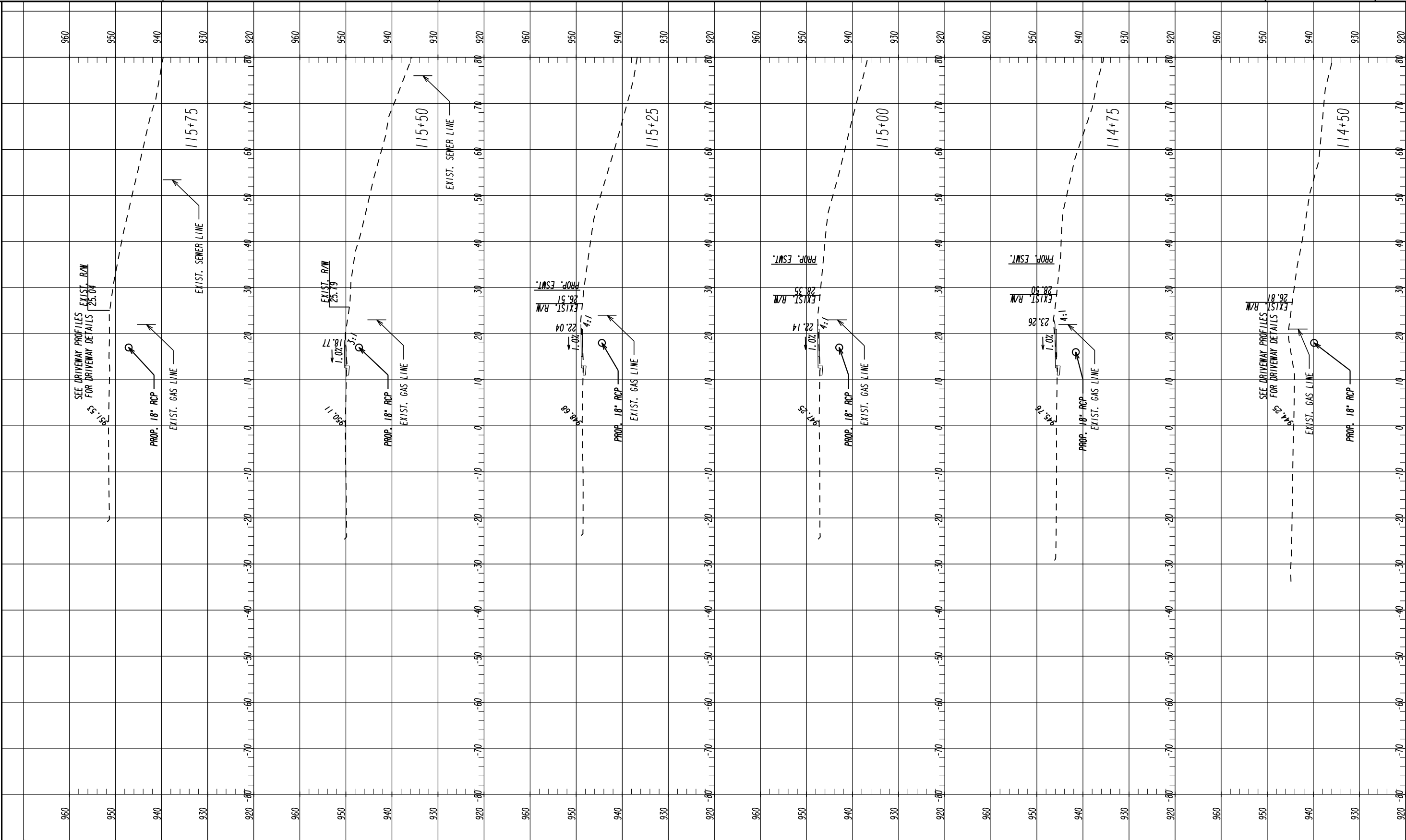
Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES				CROSS SECTIONS			
				WINDSOR PARKWAY SIDEWALKS			
				CHECKED:	DATE:	DRAWING No.	
				BACKCHECKED:	DATE:	23-0006	
				CORRECTED:	DATE:		
				VERIFIED:	DATE:		



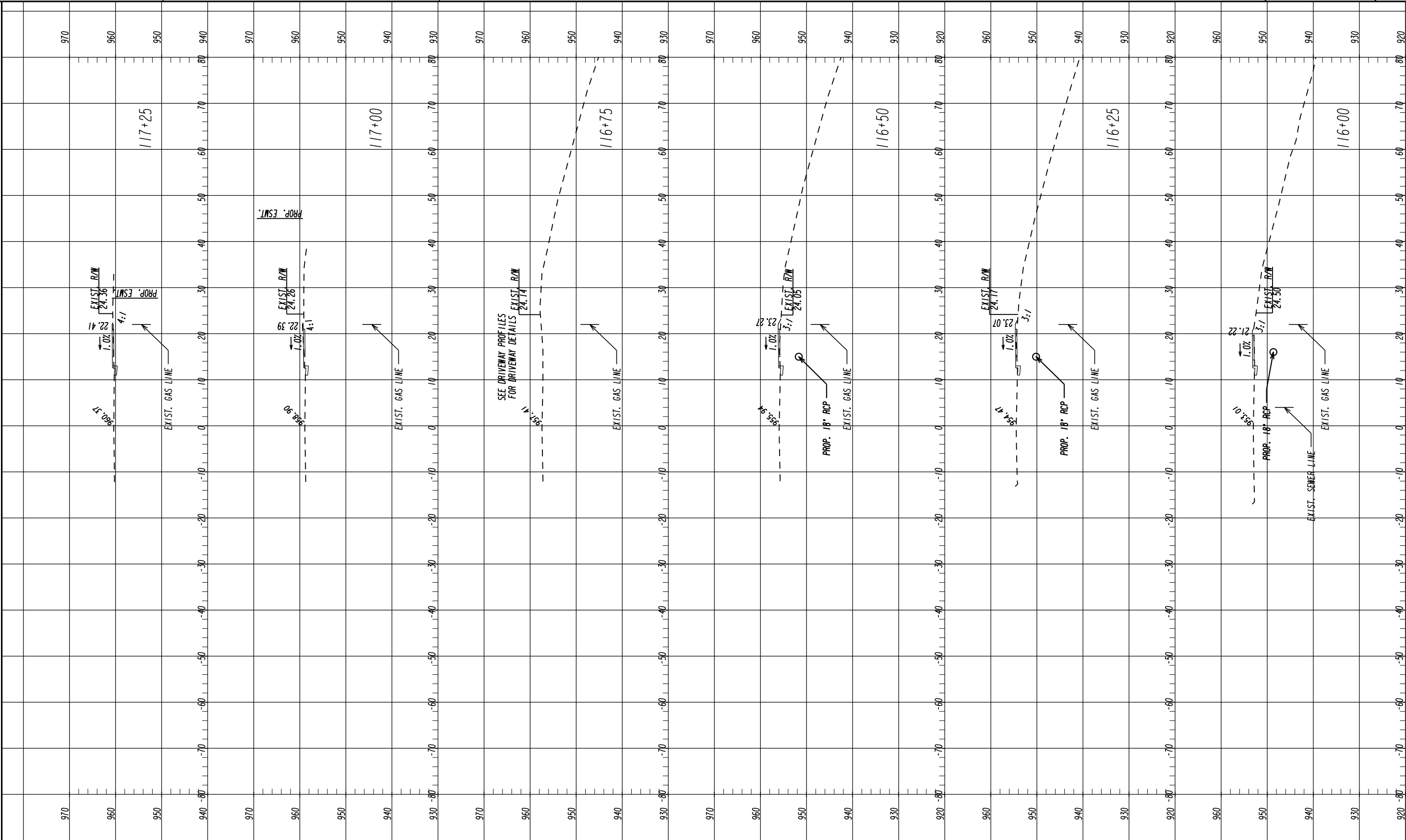
Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES			CROSS SECTIONS			
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			CHECKED:	DATE:	DRAWING No.	
			BACKCHECKED:	DATE:	23-0007	
			CORRECTED:	DATE:		
			VERIFIED:	DATE:		



Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES			CROSS SECTIONS			
			WINDSOR PARKWAY SIDEWALKS			
			CHECKED:		DATE:	DRAWING No.
			BACKCHECKED:		DATE:	23-0008
			CORRECTED:		DATE:	
			VERIFIED:		DATE:	



SANDY SPRINGS
GEORGIA

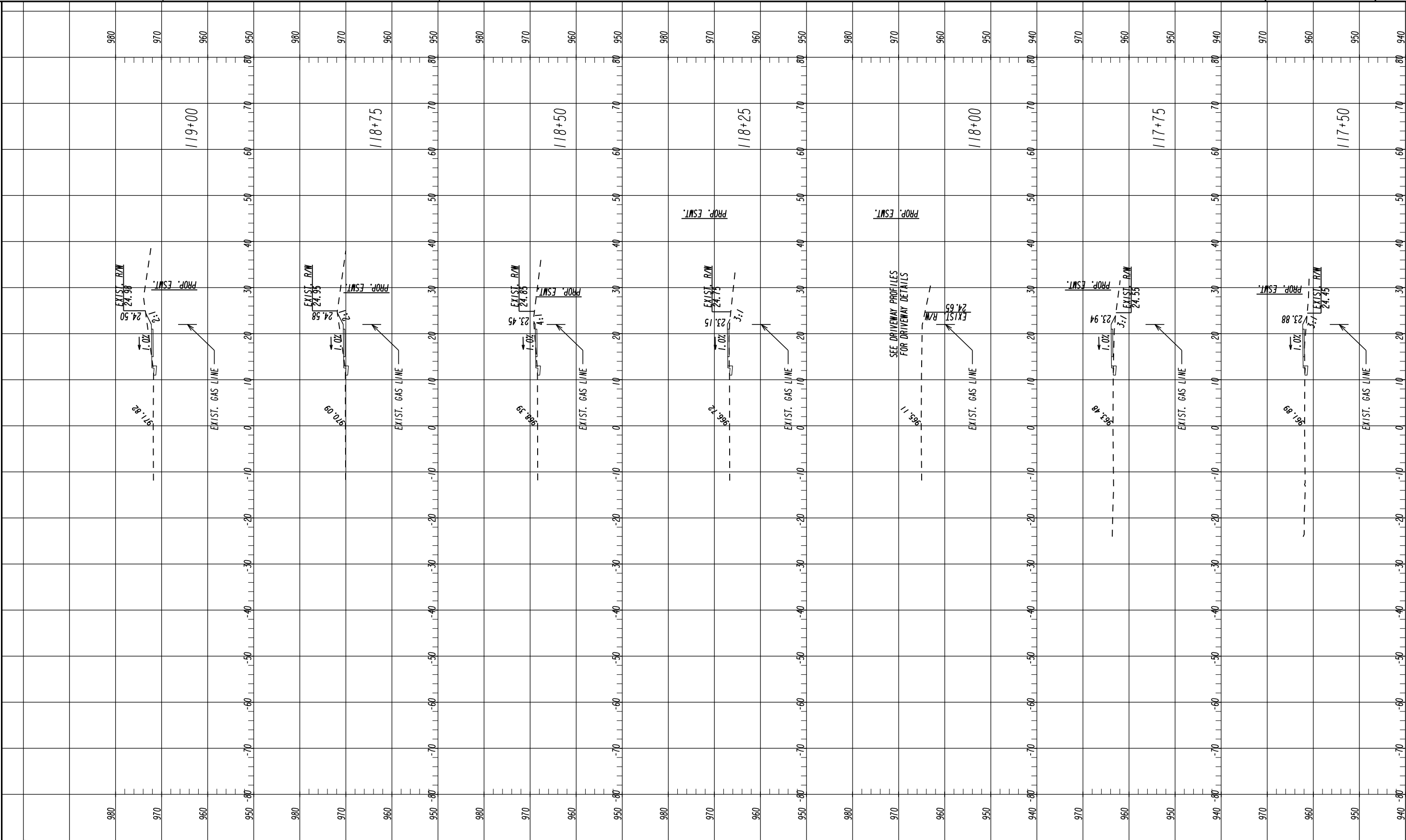
Michael Baker
INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES		

CROSS SECTIONS WINDSOR PARKWAY SIDEWALKS			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
23-0009



SANDY SPRINGS
GEORGIA

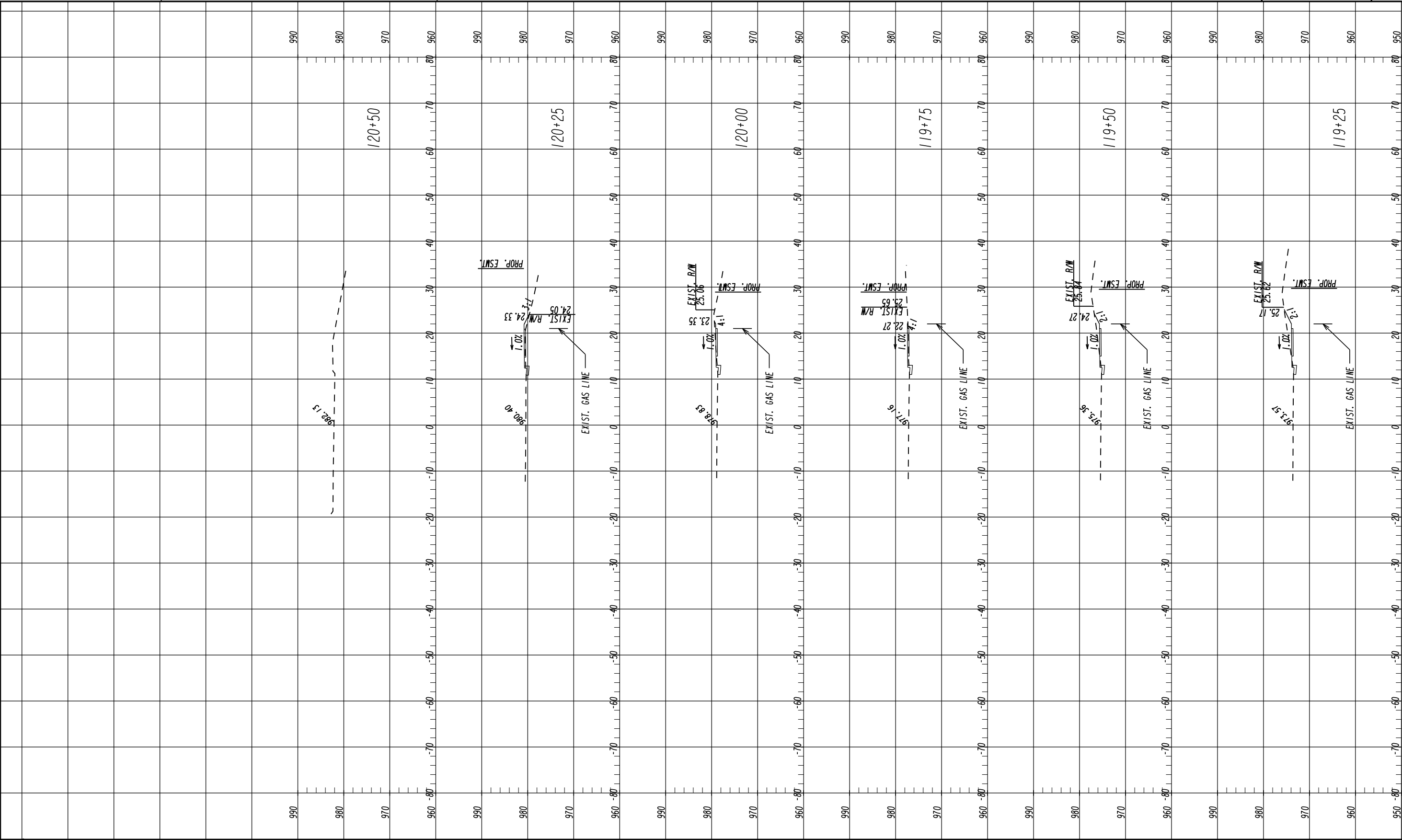
Michael Baker
INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9116

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES	

CROSS SECTIONS WINDSOR PARKWAY SIDEWALKS			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
23-0010







Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

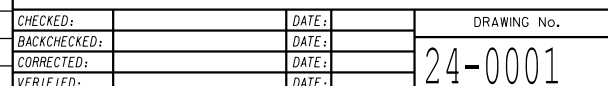
REVISION DATES		

CROSS SECTIONS
WINDSOR PARKWAY SIDEWALKS

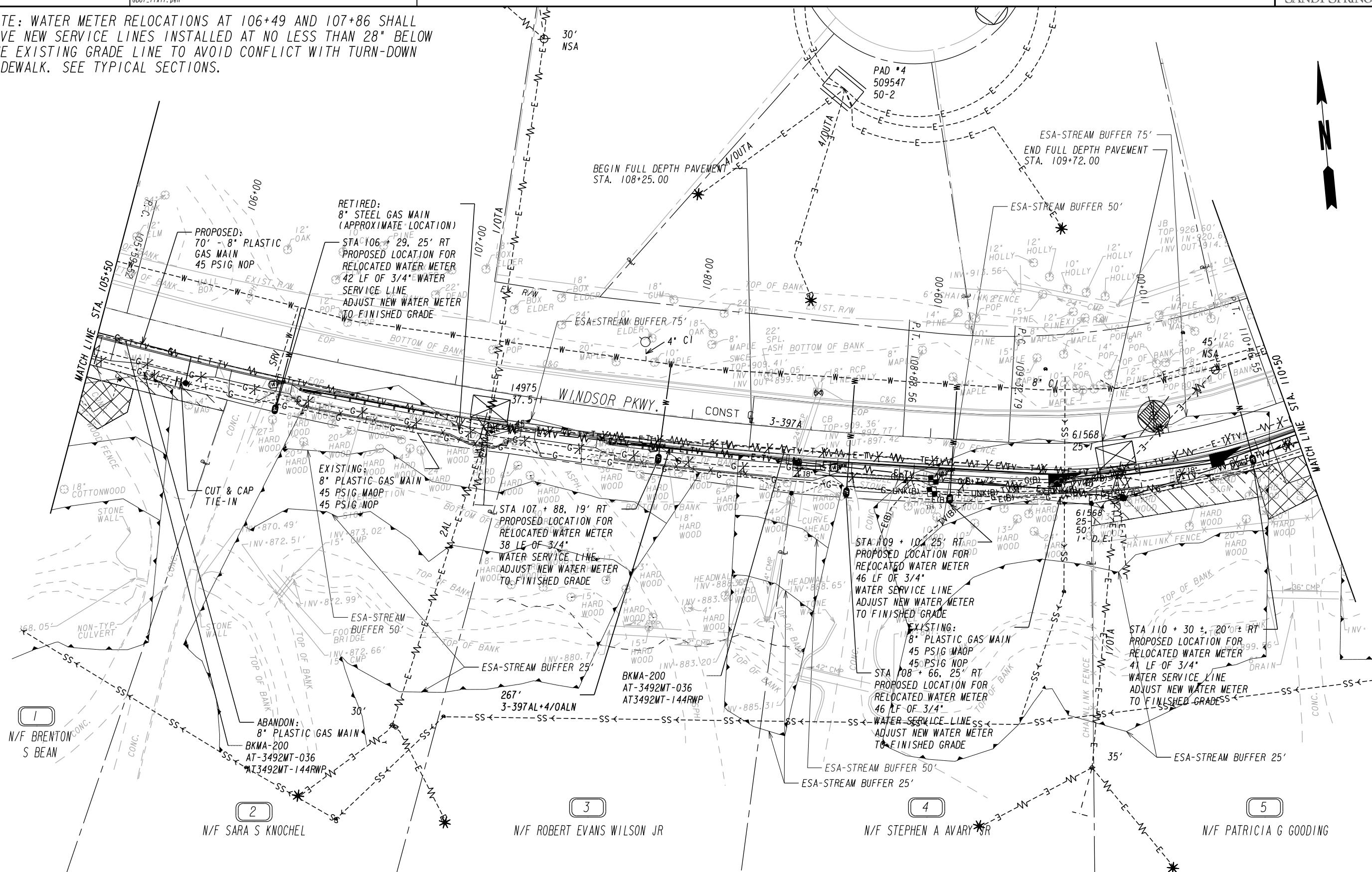
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BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		

09/17/2015 SUXEN

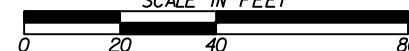
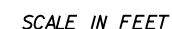
REF106
REF096
REF086
REF076
REF068



30'
NSA



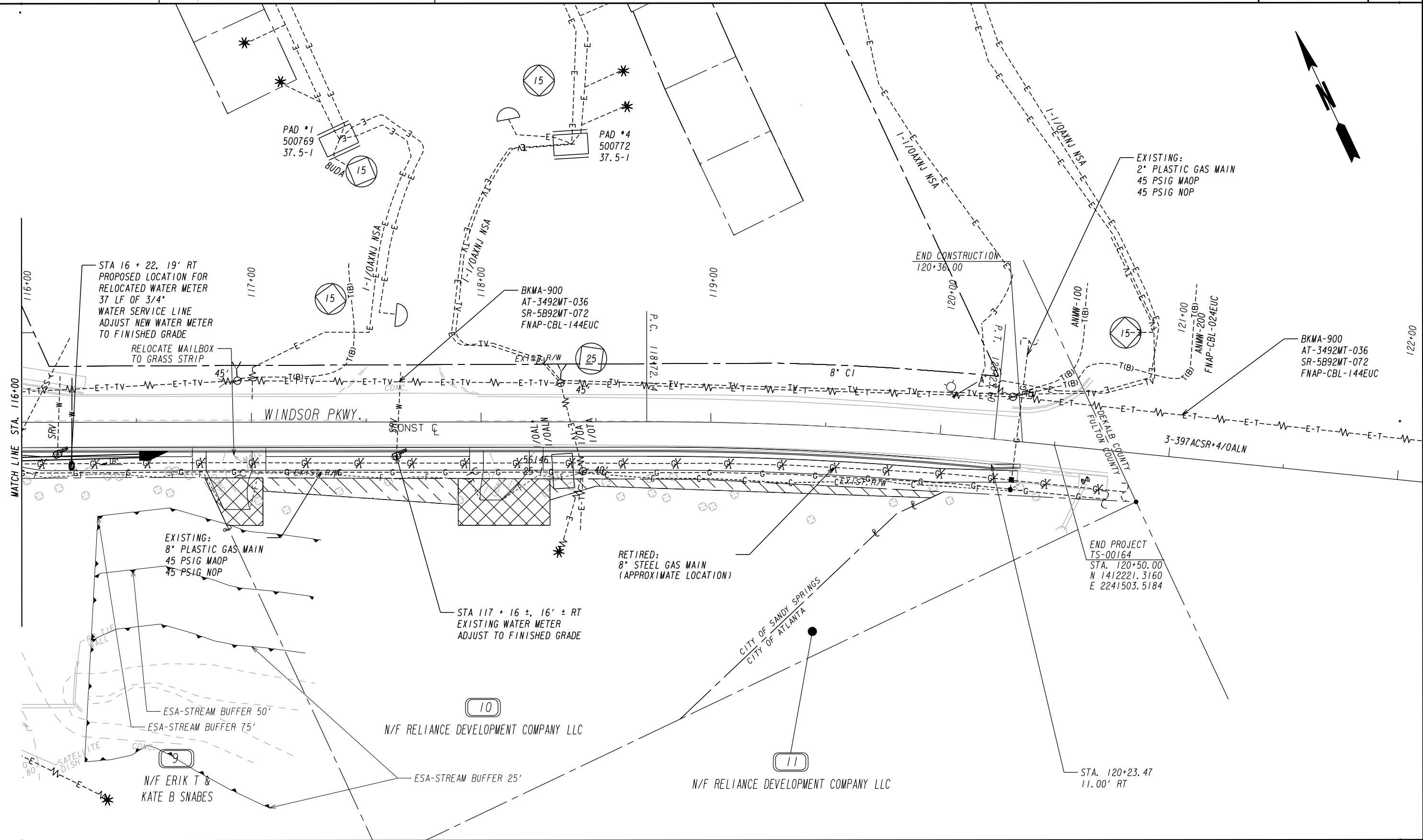
Michael Baker
I N T E R N A T I O N A L
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118



CHECKED:	DATE:	DRAWING No. 24-0002
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



CHECKED:	DATE:	DRAWING No. 24-0003
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

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SANDY SPRINGS
GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

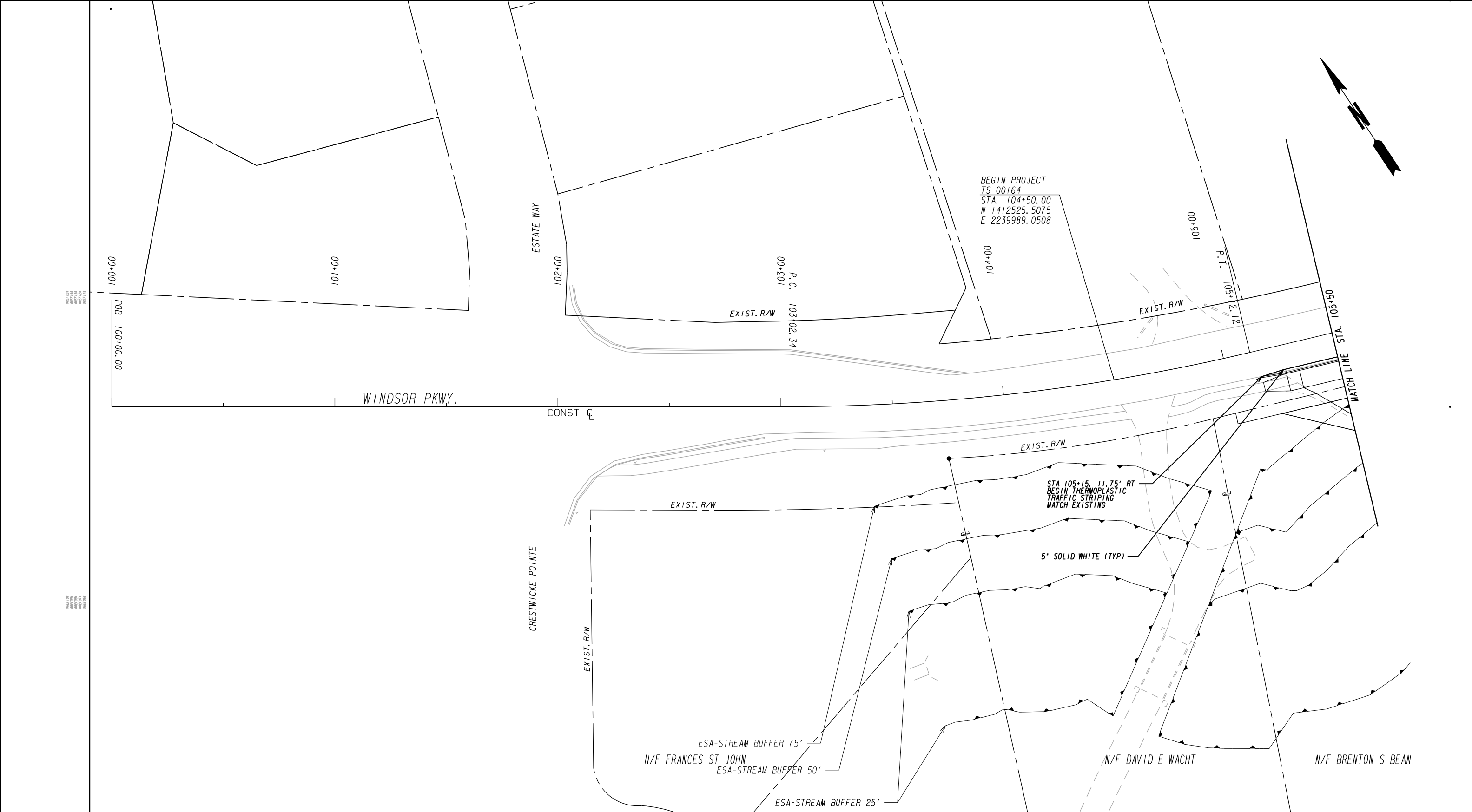
UTILITY PLANS
WINDSOR PARKWAY SIDEWALKS
STA. 116+00 TO END PROJECT

CHECKED:
BACKCHECKED:
CORRECTED:
VERIFIED:

DATE:
DATE:
DATE:
DATE:

DRAWING No.
24-0004

10/23/2015 GPLN



PROPERTY AND EXISTING R/W LINE

REQUIRED R/W LINE

CONSTRUCTION LIMITS

EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES

EASEMENT FOR CONSTR OF SLOPES

EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA

END LIMIT OF ACCESS.....ELA

LIMIT OF ACCESS

REQ'D R/W & LIMIT OF ACCESS

ORANGE BARRIER FENCE

ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

420 TECHNOLOGY PARKWAY, STE. 150

NORCROSS, GEORGIA 30092

(770) 263-9118

SCALE IN FEET

REVISION DATES

NO.	DATE	DESCRIPTION

SIGNING AND MARKING PLANS

WINDSOR PARKWAY SIDEWALKS

BEGIN PROJECT TO STA. 105+50

CHECKED: _____

BACKCHECKED: _____

CORRECTED: _____

VERIFIED: _____

DATE: _____

DATE: _____

DATE: _____

DATE: _____

DRAWING No.

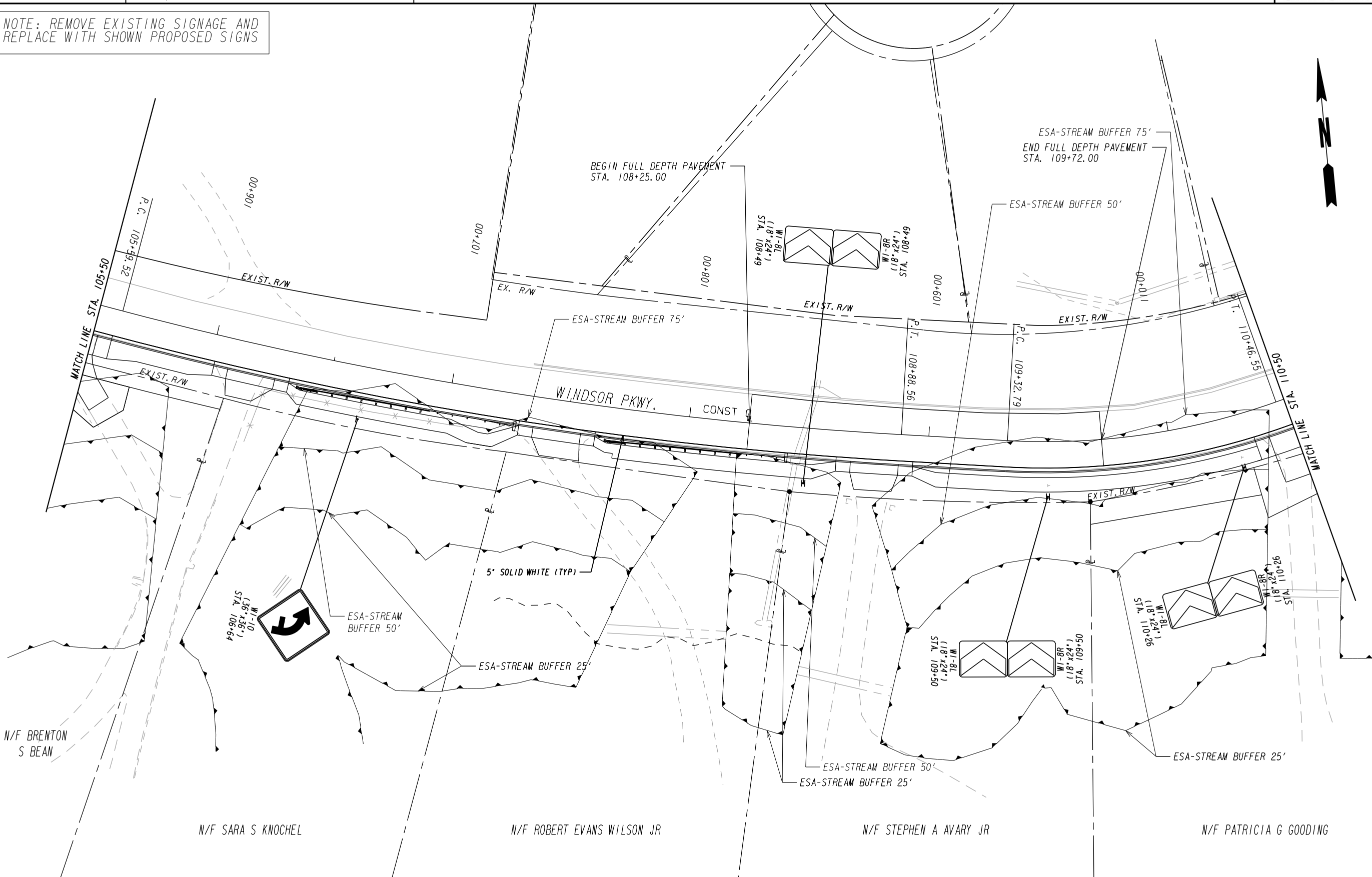
26-0001

10/23/2015

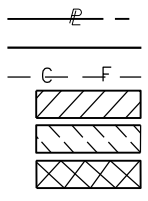
GPLN

0160061_26-0001
GDOT_11x17.pen

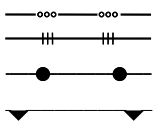
NOTE: REMOVE EXISTING SIGNAGE AND
REPLACE WITH SHOWN PROPOSED SIGNS



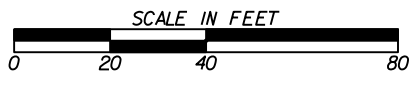
PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES



BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)



Michael Baker
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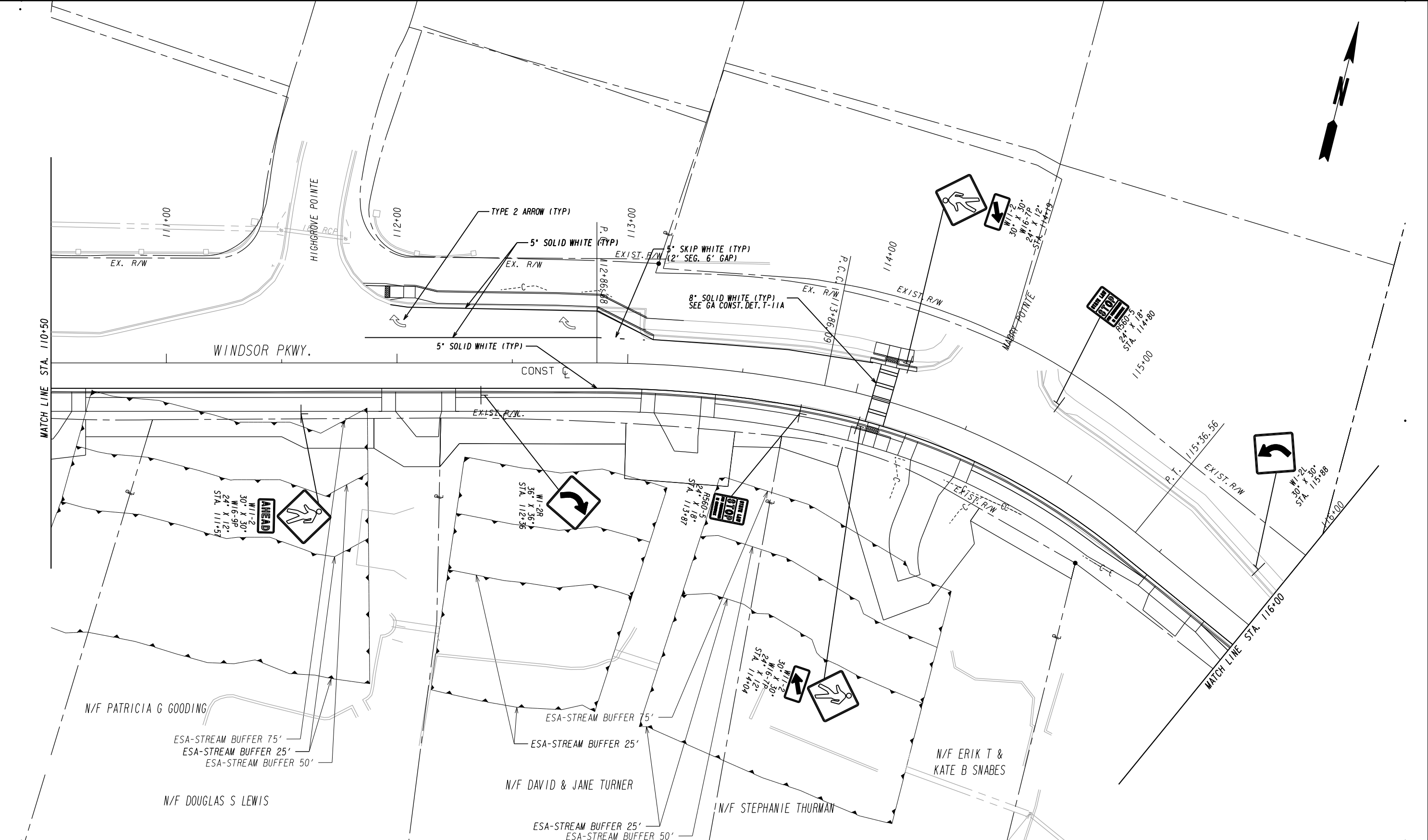


REVISION DATES	

SIGNING AND MARKING PLANS

WINDSOR PARKWAY SIDEWALKS
STA. 105+50 TO STA. 110+50

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	26-0002
CORRECTED:	DATE:	
VERIFIED:	DATE:	



PROPERTY AND EXISTING R/W LINE

REQUIRED R/W LINE

CONSTRUCTION LIMITS

EASEMENT FOR CONSTR

& MAINTENANCE OF SLOPES

EASEMENT FOR CONSTR OF SLOPES

EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA

END LIMIT OF ACCESS.....ELA

LIMIT OF ACCESS

REQ'D R/W & LIMIT OF ACCESS

ORANGE BARRIER FENCE

ESA - ENV. SENSITIVE AREA

(SEE ERIT TABLE)

Michael Baker

INTERNATIONAL

420 TECHNOLOGY PARKWAY, STE. 150

NORCROSS, GEORGIA 30092

(770) 263-9118

REVISION DATES

SIGNING AND MARKING PLANS

WINDSOR PARKWAY SIDEWALKS

STA. 110+50 TO STA. 116+00

CHECKED:

BACKCHECKED:

CORRECTED:

VERIFIED:

DATE:

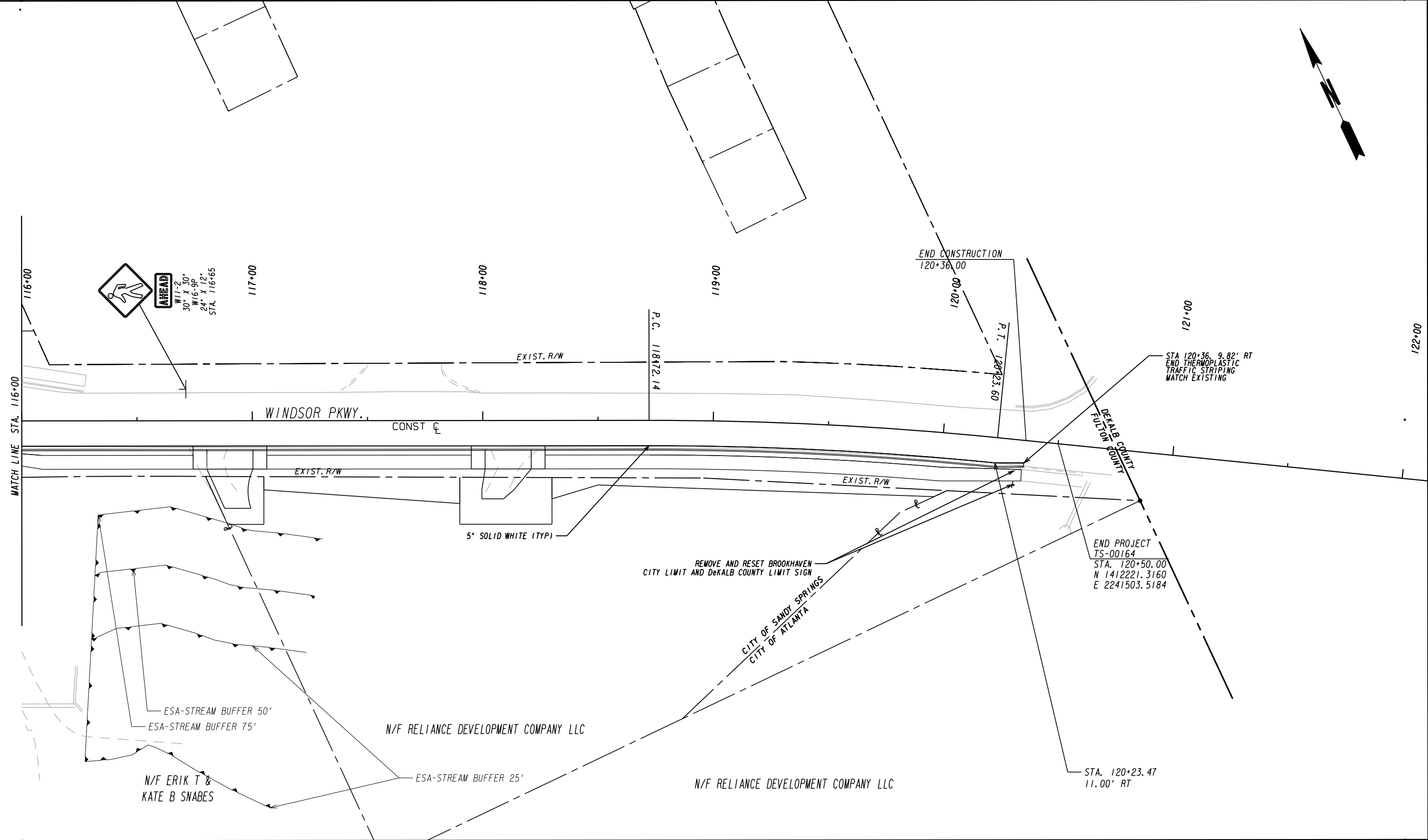
DATE:

DATE:

DATE:

DRAWING No.

26-0003



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

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(770) 263-9118

SANDY SPRINGS
GEORGIA

SCALE IN FEET
0 20 40 80

REVISION DATES

SIGNING AND MARKING PLANS
WINDSOR PARKWAY SIDEWALKS
STA. 116+00 TO END PROJECT

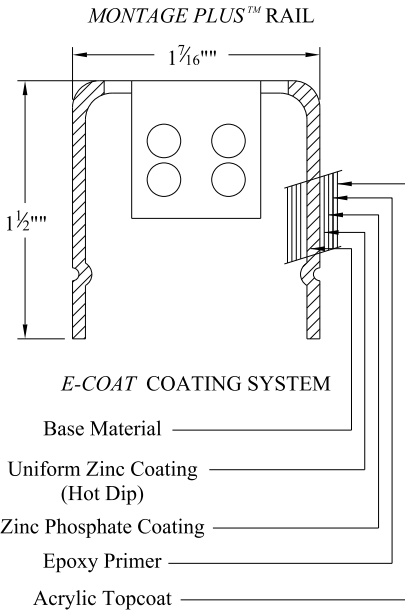
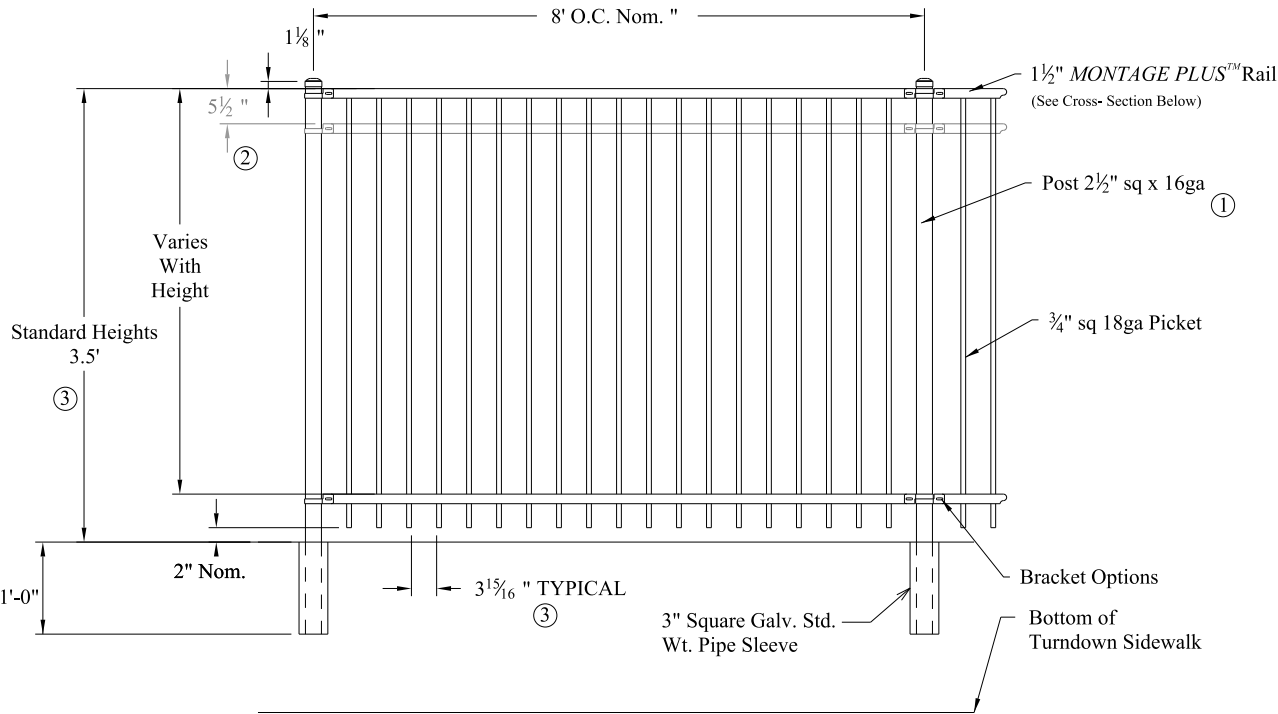
CHECKED: DATE: DRAWING No.
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

26-0004

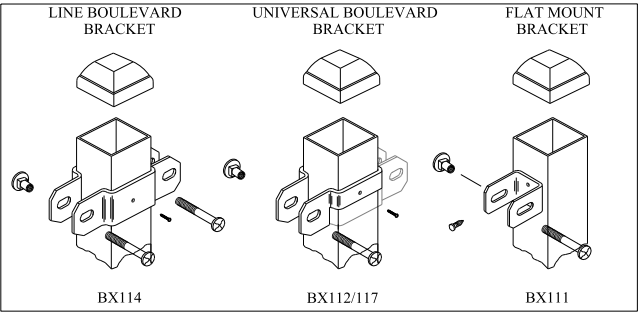
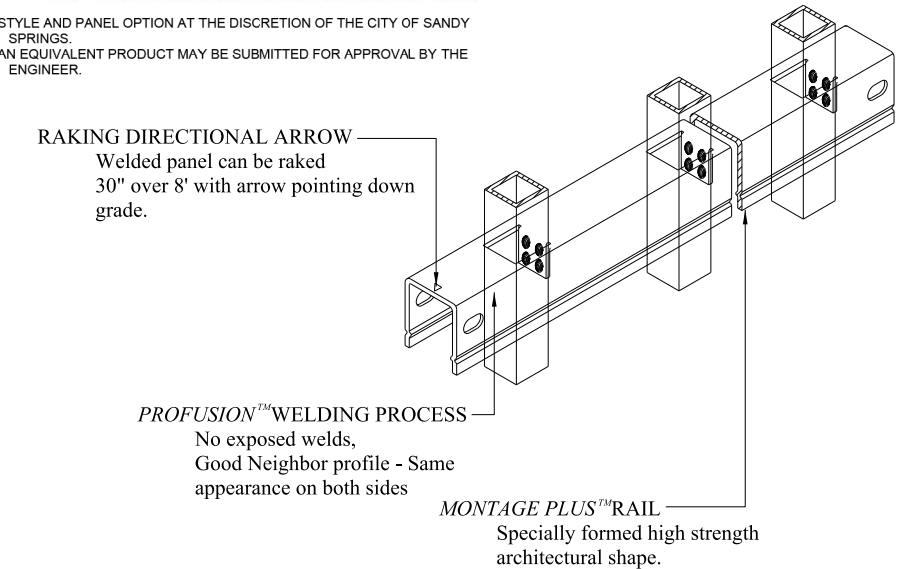
10/23/2015 GPLN

DECORATIVE HANDRAIL DETAILS

SEE PLANS FOR LOCATIONS



NOTE: STYLE AND PANEL OPTION AT THE DISCRETION OF THE CITY OF SANDY SPRINGS.
AN EQUIVALENT PRODUCT MAY BE SUBMITTED FOR APPROVAL BY THE ENGINEER.



Values shown are nominal and not to be used for installation purposes. See product specification for installation requirements.

- NOTES:
1. Post size depends on handrail height and wind loads. See MONTAGE PLUS specifications for post sizing chart.
 2. Third rail required.
 3. Available in 3" air space and/or Flush Bottom on most heights.
 4. Cast 3" square galvanized sleeve in the parapet. Allow non-shrink grout to cure for three days before fence is installed.
 5. Apply galvanizing repair compound, in accordance with Georgia DOT Specification Section 645, to ends of 3" square galvanized sleeves.
 6. For further details, see Georgia DOT Specification Sections 643 and 894.

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REVISION DATES

SPECIAL CONSTRUCTION DETAIL
WINDSOR PARKWAY SIDEWALKS

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		

38-0001

CITY OF SANDY SPRINGS

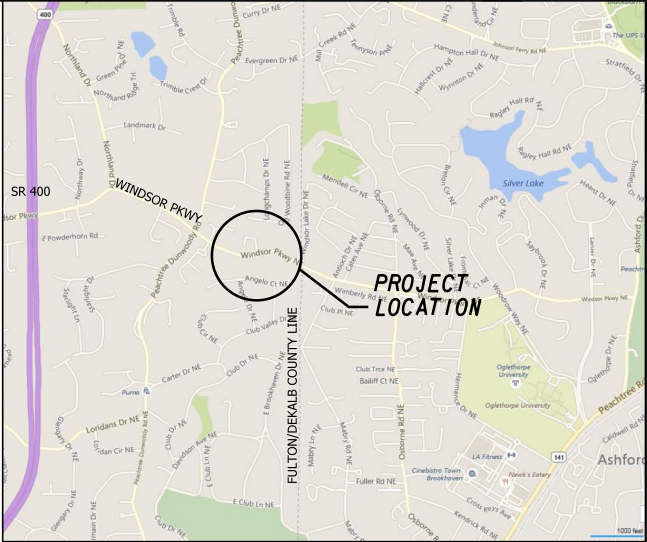
DEPARTMENT OF PUBLIC WORKS

UTILITY RELOCATION PLANS

WINDSOR PARKWAY SIDEWALKS

CITY OF SANDY SPRINGS

TS-00164



LOCATION SKETCH

CITY OF SANDY SPRINGS

MAYOR, RUSTY PAUL
CITY COUNCIL DISTRICT 1: JOHN PAULSON
CITY COUNCIL DISTRICT 2: STEVE SOTERES
CITY COUNCIL DISTRICT 3: CHRIS BURNETT
CITY COUNCIL DISTRICT 4: JODY REICHEL
CITY COUNCIL DISTRICT 5: TIBERIO "TIBBY" DEJULIO
CITY COUNCIL DISTRICT 6: ANDY BAUMAN
PUBLIC WORKS DIRECTOR: MARTY MARTIN

FUNCTIONAL CLASS:
MAJOR COLLECTOR

THIS PROJECT IS 100% IN
FULTON COUNTY AND IS
100% IN CONG.DIST.NO.II .

SPEED LIMIT: 30 MPH
SPEED DESIGN: 30 MPH

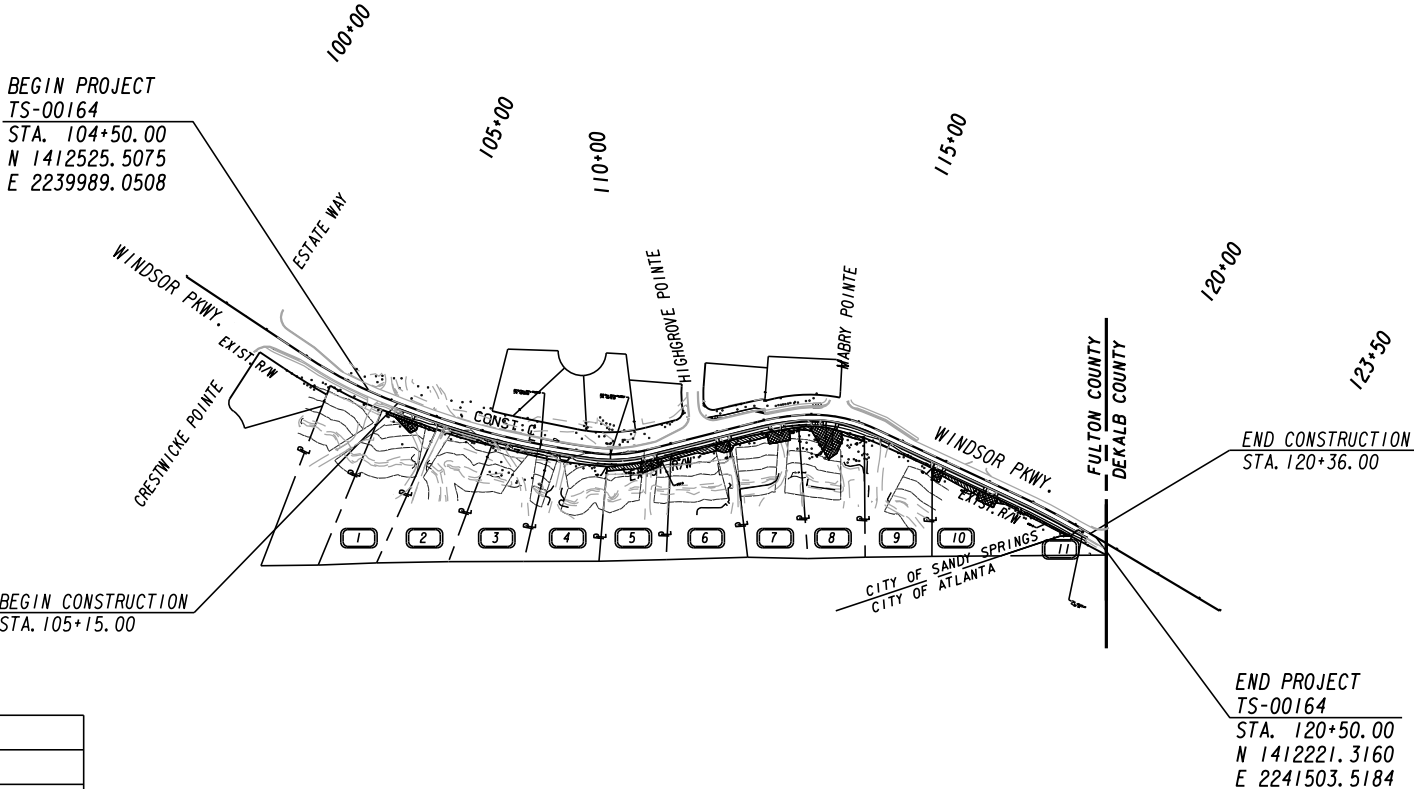
PROJECT DESIGNATION:
DESIGNED IN ENGLISH UNITS.

THIS PROJECT HAS BEEN PREPARED
USING THE HORIZONTAL GEORGIA
COORDINATE SYSTEM OF 1984 (NAD
1983/94 WEST ZONE,AND THE NORTH
AMERICAN VERTICAL DATUM (NAVD)
OF 1988.

DRAWING INDEX

DRAWING NO.	DESCRIPTION
44-0001	COVER
44-0002 to 44-0003	GENERAL NOTES
44-0004	LEGEND
44-0005 to 44-0008	UTILITY RELOCATION PLAN
44-0009	CONSTRUCTION DETAILS

THE DATA,TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY
INDICATED THEREBY,WHETHER BY DRAWINGS OR NOTES,OR IN ANY OTHER MANNER,ARE BASED UPON
FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER,THE
SAME ARE SHOWN AS INFORMATION ONLY,ARE NOT GUARANTEED,AND DO NOT BIND THE DEPARTMENT
OF TRANSPORTATION IN ANY WAY.THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO
SUBSECTIONS 102.04,102.05,AND 104.03 OF THE SPECIFICATIONS.



LENGTH OF PROJECT

	COUNTY No. 121
	Project No. TS-00164
	MILES
NET LENGTH OF ROADWAY	0.303
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF PROJECT	0.303
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	0.303

Michael Baker

INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SCALE IN FEET



NOTE :
ALL REFERENCES IN THIS DOCUMENT,WHICH INCLUDES ALL PAPERS,WRITINGS,
DOCUMENTS,DRAWINGS,OR PHOTOGRAPHS USED,OR TO BE USED IN CONNECTION
WITH THIS DOCUMENT,TO "STATE HIGHWAY DEPARTMENT OF GEORGIA ","STATE
HIGHWAY DEPARTMENT ","GEORGIA STATE HIGHWAY DEPARTMENT ","HIGHWAY
DEPARTMENT ","OR "DEPARTMENT "WHEN THE CONTEXT THEREOF MEANS THE
STATE HIGHWAY DEPARTMENT OF GEORGIA,AND SHALL BE DEEMED TO MEAN
THE DEPARTMENT OF TRANSPORTATION.



PLANS COMPLETED 04-25-2019	
REVISIONS	

DRAWING No.

44-0001

03-SEP-2019 11:42
Kimberley.Baker

11:42:27 AM

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CITY OF
SANDY SPRINGS

Project No.
TS-00164

PREP'D BY
CHECK'D BY
APPROVED BY
DATE

36. ALL PIPE, FITTINGS, VALVES, FIRE HYDRANTS, AND APPURTENANCES WHICH ARE LOADED OR UNLOADED BY HOIST OR SKIDS SHALL BE HANDLED IN SUCH A MANNER AS TO AVOID SHOCK OR DAMAGE. PIPE HANDLED ON A SKIDWAY SHALL NOT BE SKIDDED OR ROLLED AGAINST PIPE ALREADY ON THE GROUND.

37. PIPE SHALL BE SO HANDLED THAT THE COATING AND LINING WILL NOT BE DAMAGED. IF, HOWEVER, ANY PART OF THE COATING OR LINING IS DAMAGED, THE REPAIR SHALL BE MADE BY THE APPLICANT (DEVELOPER OR CONTRACTOR) AT THEIR EXPENSE IN A MANNER SATISFACTORY TO THE ENGINEER.

38. ANY MATERIAL THAT BECOMES DAMAGED BEFORE ACCEPTANCE OR FAILS WITHIN THE WARRANT PERIOD SHALL BE REPLACED BY THE DEVELOPER OR ITS CONTRACTOR AT THEIR EXPENSE. DAMAGES TO STREETS, SIDEWALKS ETC. DUE TO FAILURE OF THE NEW WATER MAIN DURING THE WARRANTY PERIOD SHALL BE THE RESPONSIBILITY OF THE DEVELOPER/CONTRACTOR.

39. EVERY PRECAUTION SHALL BE TAKEN TO PREVENT FOREIGN MATERIAL FROM ENTERING THE PIPE WHILE IT IS BEING PLACED IN THE TRENCH. IF THE PIPE LAYING CREW CANNOT PUT THE PIPE INTO TRENCH AND IN PLACE WITHOUT GETTING EARTH IN IT, THEN THE INSPECTOR MAY REQUIRE THAT BEFORE LOWERING THE PIPE INTO THE TRENCH, A HEAVY, TIGHTLY WOVEN CANVAS BAG OF SUITABLE SIZE BE PLACED OVER EACH END AND LEFT THERE UNTIL THE CONNECTION IS TO BE MADE TO THE ADJACENT PIPE. DURING LAYING OPERATIONS, NO DEBRIS, TOOLS, CLOTHING OR OTHER MATERIAL SHALL BE PLACED IN THE PIPE.

40. AFTER PLACING A LENGTH OF PIPE IN THE TRENCH, THE SPIGOT END SHALL BE CENTERED IN THE BELL AND THE PIPE FORCED HOME AND BROUGHT TO THE CORRECT LINE AND GRADE. THE PIPE SHALL BE SECURED IN PLACE WITH APPROVED BACKFILL MATERIAL AND TAMPED AROUND IT EXCEPT AT THE BELLS.

41. PIPE AND FITTINGS WHICH DO NOT ALLOW A SUFFICIENT AND UNIFORM SPACE FOR JOINTS SHALL BE REMOVED AND REPLACED WITH PIPE AND FITTINGS OF PROPER DIMENSIONS TO INSURE SUCH UNIFORM SPACE. PRECAUTIONS SHALL BE TAKEN PREVENT EARTH FROM ENTERING THE JOINT SPACE.

42. AT TIMES WHEN PIPE LAYING IS NOT IN PROGRESS, THE OPEN ENDS OF THE PIPE SHALL BE CLOSED BY A WATERTIGHT PLUG OR OTHER MEANS APPROVED BY THE INSPECTOR. THE CONTRACTOR SHALL HAVE PLUGS AVAILABLE AT ALL TIMES. THIS PROVISION SHALL APPLY DURING THE NOON HOUR AS WELL AS OVERNIGHT. IF WATER IS IN THE TRENCH, THE SEAL SHALL REMAIN IN PLACE UNTIL THE TRENCH HAS BEEN PUMPED COMPLETELY DRY.

43. IT IS THE NORMAL PROCEDURE TO LAY THE PIPE WITH THE BELLS FACING IN THE DIRECTION IN WHICH THE WORK IS PROGRESSING, UNLESS THE MAIN IS BEING LAID DOWN A HILL IN WHICH CASE, THE JOINTS ARE TO BE REVERSED SO THAT THE BELLS POINT UP THE HILL. CARE MUST BE TAKEN THAT THE NEWLY INSTALLED PIPE LENGTHS DO NOT "SLIDE" AND CAUSE A SEPARATION IN THE PREVIOUSLY MADE-UP JOINTS.

44. ALL LUMPS, BLISTERS AND EXCESS COAL TAR COATING SHALL BE REMOVED FROM THE BELL AND SPIGOT, AND THE INSIDE OF THE BELLS SHALL BE WIRE BRUSHED AND WIPED CLEAN AND DRY AND FREE FROM OIL AND GREASE OR OTHER FOREIGN MATERIAL BEFORE THE PIPE IS LAID. THE INTERIOR OF EACH LENGTH OF PIPE SHALL BE BRUSHED CLEAN AS REQUIRED BY THE USE OF A CIRCULAR FIBER BRUSH HAVING A DIAMETER EQUAL TO THE INSIDE DIAMETER OF THE PIPE. THE BRUSH SHALL AT ALL TIMES BE SUSPENDED OFF THE GROUND WHEN NOT IN USE.

45. THE CUTTING OF PIPE FOR INSERTING VALVES, FITTINGS, OR CLOSURE PIECES SHALL BE DONE IN A NEAT AND WORKMAN LIKE MANNER WITHOUT DAMAGE TO END PIPE OR LINING AND SO AS TO LEAVE A SMOOTH END AT RIGHT ANGLES TO THE AXIS OF THE PIPE. THE EDGE OF THE CUT SPIGOT SHALL BE BEVELED A MINIMUM OF 1/4-INCH WHEN "SLIP" JOINT CONNECTIONS ARE INVOLVED.

46. A WHEEL TYPE CUTTER OR POWER DRIVEN SAW OR OTHER APPROVED EQUIPMENT SHALL BE USED FOR CUTTING 6-INCH, 8-INCH, AND 12-INCH INVOLVED.

47. ALL 16-INCH AND LARGER DIAMETER PIPE SHALL BE CUT WITH A POWER DRIVEN CUTTER OR OTHER APPROVED EQUIPMENT.

48. THE FLAME CUTTING OF PIPE BY ANY MEANS WILL NOT BE ALLOWED.

49. JOINTS FOR MECHANICAL JOINT PIPE SHALL BE MADE BY EXPERIENCED MECHANICS. SOCKETS AND SPIGOTS SHALL BE WASHED WITH CLEAN SOAPY WATER BEFORE SLIPPING THE GLAND AND GASKET OVER SPIGOT. THE SPIGOT SHALL BE INSERTED IN THE SOCKET TO FULL DEPTH. THE GASKET SHALL BE BRUSHED WITH CLEAN SOAPY WATER AND SHALL BE PUSHED INTO POSITION MAKING SURE THAT THE GASKET IS EVENLY SEATED IN THE SOCKET.

50. THE GLAND SHALL BE PUSHED INTO POSITION FOR COMPRESSING THE GASKET, ALL BOLTS AND NUTS SHALL BE TIGHTENED TO A UNIFORM PERMANENT TIGHTNESS USING A TORQUE WRENCH SET TO THE MANUFACTURER'S SPECIFICATIONS. BOLTS SHALL BE TIGHTENED ALTERNATELY; FIRST BOLT TIGHTENED SHALL BE THE BOTTOM BOLT, SECOND SHALL BE THE TOP BOLT, AND SO ON UNTIL ALL BOLTS ARE PULLED UP. THE GLANDS AND BOLTS SHALL BE KEPT CLEAN AND SOCKETS, SPIGOTS, AND GASKETS SHALL BE KEPT CLEAN AND WET WITH CLEAN SOAPY WATER UNTIL EACH JOINT HAS BEEN COMPLETED.

51. JOINTING OF FLEXIBLE ("PUSH-ON") JOINT PIPE SHALL BE MADE BY EXPERIENCED MECHANICS. SOCKETS, SPIGOTS, AND GASKETS SHALL BE THOROUGHLY CLEANED BY WASHING WITH SOAP AND WATER AND WIPED CLEAN AND DRY BEFORE THE GASKET IS INSERTED INTO THE SOCKET RECESS. THE GASKET SHALL BE CAREFULLY PLACED INTO THE SOCKET RECESS BY HAND, AND EVENLY SEATED. A THIN FILM OF SPECIAL LUBRICANT (FURNISHED BY THE PIPE MANUFACTURER) SHALL BE APPLIED TO THE INSIDE OF THE GASKET AND SPIGOT END OF THE PIPE TO PERMIT EASY ENTRY OF THE PIPE INTO THE SOCKET. THE SPIGOT END OF THE PIPE SHALL BE PUSHED "HOME" BY THE USE OF A RATCHET TYPE ASSEMBLY TOOL. THE SPIGOT ENDS OF CUT PIPE SHALL BE DRESSED AND TAPERED WITH A COARSE FILE OR APPROVED BEVELING DEVICE IN A MANNER THAT WILL PROTECT THE GASKET FROM DAMAGE, PERMIT THE PROPER CENTERING OF PIPE IN GASKET, PROVIDE UNIFORM COMPRESSION OF GASKET, AND EASY ENTRY OF SPIGOT INTO SOCKET. CLOSURE OF FLEXIBLE JOINT PIPE SHALL BE MADE ONLY THROUGH THE USE OF MECHANICAL JOINT SLEEVES. CARE MUST BE TAKEN. IN THE USE AND STORAGE OF THE JOINT LUBRICANT. THE LUBRICANT MUST BE KEPT FREE FROM DIRT AND OTHER FOREIGN SUBSTANCES, SHOULD DIRT OR OTHER FOREIGN SUBSTANCES CONTAMINATE THE LUBRICANT, THEN THE CONTAMINATED LUBRICANT SHALL BE THROWN AWAY AND A NEW CAN OF JOINT LUBRICANT PROVIDED.

52. A CAST IRON VALVE BOX OR MASONRY VAULT SHALL BE PROVIDED FOR EVERY VALVE. A VALVE BOX SHALL BE PROVIDED FOR EVERY VALVE WHICH HAS NO GEARING OR OPERATING MECHANISM. THE VALVE BOX SHALL NOT TRANSMIT SHOCK OR STRESS TO THE VALVE AND SHALL BE CENTERED AND PLUMB OVER THE OPERATING NUT OF THE VALVE WITH THE BOX COVER FLUSH WITH THE SURFACE OF THE FINISHED PAVEMENT OR SUCH OTHER LEVEL AS MAY BE DIRECTED BY THE INSPECTOR. VALVE BOX LIDS SHALL BE SET AT FINISHED GRADE PRIOR TO POURING CONCRETE.

53. ALL STRAPS AND RODS SHALL BE COATED PRIOR TO INSTALLATION WITH AN APPROVED PROTECTIVE COATING. THE NUTS AND THREADS SHALL BE COATED BY THE AGENCY OR CONTRACTOR AFTER INSTALLATION WITH A COMPATIBLE PROTECTIVE MATERIAL.

55. FOR DUCTILE IRON PIPE, PIPE BEDDING CONSISTING OF SAND, GRAVEL SHALL BE PLACED IN BOTTOM OF TRENCH AND UP TO 1/8 PIPE DIA. BACKFILL MATERIAL IN THE BOTTOM OF THE TRENCH AND UP TO ONE FOOT OVER THE TOP OF THE PIPE SHALL BE EARTH FILLED ONLY. FROM ONE FOOT ABOVE THE TOP OF THE PIPE TO THE SUBGRADE OF THE PAVEMENT, EXCAVATED MATERIAL CONTAINING AN OCCASIONAL STONE OR BROKEN PIECE OF PAVEMENT NO LARGER THAN 6-INCHES IN THE GREATEST DIMENSION, MAY BE USED PROVIDED THE EXCAVATION, AND EXCAVATED MATERIAL HAS BEEN APPROVED BY THE INSPECTOR FOR BACKFILL.

56. ALL BACKFILL SHALL BE THOROUGHLY COMPACTED TO NOT LESS THAN 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY A MODIFIED PROCTOR TEST (A.S.T.M. 0698).

57. IF ANY SETTLEMENT OF THE EARTH IS OBSERVED AT ANY TIME WITHIN ONE YEAR AFTER THE ACCEPTANCE OF THE PROJECT, THEN THE APPLICANT (DEVELOPER OR CONTRACTOR) SHALL MAKE THE NECESSARY REPAIRS AT THEIR OWN EXPENSE. THE BACKFILL MATERIAL MAY BE SLIGHTLY MOISTENED, IF REQUIRED, TO SECURE THE REQUIRED COMPACTION. THE METHOD USED FOR BACKFILLING SHALL BE SUBJECT TO THE APPROVAL OF THE INSPECTOR.

58. THE CONTRACTOR SHALL NOTIFY THE DWM INSPECTOR AND RECEIVE APPROVAL FROM THE DWM INSPECTOR AT LEAST 72 HOURS IN ADVANCE OF ANY SERVICE DISRUPTIONS. CONTRACTOR SHALL COORDINATE WITH THE DWM INSPECTOR TO ENSURE A 48 HOUR NOTICE IS ISSUED; NOTICE TO CITIZENS VIA DOOR HANGERS AND/OR AUTOMATED PHONE MESSAGES PRIOR TO DISRUPTION.

59. THE CONTRACTOR SHALL NOTIFY THE CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT AT (404) 658-6500 FOR ANY EMERGENCY NOTIFICATIONS OR REPORTING. FOR PROJECT SPECIFIC INFORMATION, PLEASE CONTACT THE CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT AT (404) 546-3240.

60. THE CITY OF ATLANTA CONSTRUCTION INSPECTION AND CONSTRUCTION MANAGEMENT CONTACT INFORMATION SHALL BE SUPPLIED AT THE TIME OF THE PROJECT PRE-CONSTRUCTION MEETING.

61. CARE SHALL BE TAKEN TO PROTECT THE EXISTING WATER UTILITY INFRASTRUCTURE DURING CONSTRUCTION. THE CONTRACTOR IS REQUIRED TO SUBMIT, FOR APPROVAL, A DETAILED PLAN OUTLYING THE PROPOSED METHOD OF PROTECTING AND SUPPORTING THE EXISTING WATER MAIN AND WATER UTILITY INFRASTRUCTURE DURING CONSTRUCTION. THIS PLAN SHALL BE SUBMITTED TO THE CITY OF ATLANTA -DEPARTMENT OF WATERSHED MANAGEMENT. THE CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT WILL HAVE (30) THIRTY DAYS TO REVIEW AND RESPOND TO ALL SUBMITTAL'S.

62. THE CONTRACTOR SHALL PROVIDE A SET OF AS-BUILT PLANS FOR ALL WATER UTILITY INFRASTRUCTURE RELOCATION ADJUSTMENT WORK. AS-BUILT PLANS ARE TO BE PREPARED IN ACCORDANCE WITH REQUIREMENTS OF THE CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT.

63. CONTRACTOR SHALL INCLUDE CONSTRUCTION OF A NEW VAULT AS NEEDED AT NO ADDITIONAL COST TO OWNER FOR PAY ITEM 670-9737 RELOCATE EXISTING METER, INCLUDING BYPASS AND VAULT.

64. CONTRACTOR SHALL NOTIFY CITY OF ANY LEAKING OR DAMAGED FIRE HYDRANTS IN WRITING PRIOR TO START OF CONSTRUCTION. IF THE CONTRACTOR FAIL TO NOTIFY THE CITY IN WRITING PRIOR TO CONSTRUCTION ALL COST ASSOCIATED WITH THE REPAIR OR REPLACEMENT OF DAMAGED OR LEAKING HYDRANTS SHALL BE BORNE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CITY.

65. ALL ABANDONED PIPE SHALL BE INSPECTED BY CONTRACTOR AND CONFIRMED AS ASBESTOS FREE. ANY ABANDONED PIPE CONTAINING ASBESTOS SHALL BE REMOVED FROM SITE AT NO ADDITIONAL COST.

66. PAYMENT FOR NEW FIRE HYDRANTS SHALL INCLUDE THE 6" GATE VALVE AND CONNECTION TO THE MAIN

67. PRIOR TO THE CITY OF ATLANTA FINAL INSPECTION AND ACCEPTANCE OF WORK, CONTRACTOR SHALL SUBMIT IN ELECTRONIC AND PAPER FORMAT A FINAL AS-BUILT PLAN WITH A GA PROFESSIONAL ENGINEER SEAL ATTACHED THAT MEETS THE FOLLOWING CONDITIONS:

a) The proposed and final water line plat required under these provisions shall consist of a revised and corrected plan and profile in reproducible form containing the information previously outlined with the further provision that said final plat shall reflect "as built" locations of facilities determined by review or resurvey after construction. As built drawings must be georeferenced to the U.S. State Plane Coordinate System, NAD83 GA West Zone, US Survey Feet. All drawings must contain two reference pins (i.e. property corners) which are labeled and tied to the Fulton County (FC) GPS monument network. All Infrastructure assets (i.e. fire hydrants, manholes, valves, pipe bends, etc.) are to be shown by applicable symbols on the drawings and also presented in tabular format to include description and accurate coordinate location. The size of the plans will be standard 24' x 36". ALL DRAWING SHEETS IN A SET FOR A PROPOSED PROJECT SHALL BE OF THE SAME

b) Certificate: The final water plat will also contain a certificate signed by the Contractors Engineer responsible for the Construction Administration containing the following statements:


I certify that the date reflected on this drawing has been verified in the field and to the best of my knowledge accurate and correct and in general compliance with existing Rules and Regulations Governing Installation of Water Line in the Atlanta Water Distribution System.

PREP'D BY
CHECK'D BY
APPROVED BY
DATE

10/23/2015

GPLM

Michael Baker
INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118



REVISION DATES		

UTILITY RELOCATION PLANS

WINDSOR PARKWAY SIDEWALKS
NOTES

CHECKED:		DATE:		DRAWING No. 44-0003
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		

UTILITY LINECODES				UTILITY SYMBOLS												
EXISTING		TO BE REMOVED		PROPOSED		TYPE OF UTILITY		EXISTING			PROPOSED			TEMPORARY		
OVERHEAD				ELECTRIC			UTILITY POLE/GUY POLE		CLEANOUT							
				ELECTRIC/TELECOMMUNICATIONS			LIGHT POLE		SANITARY SEWER MANHOLE							
				ELECTRIC/CABLE TV			GUY ANCHOR		AIR RELEASE VALVE							
				ELECTRIC/TRAFFIC CONTROL			MARKER		GREASE TRAP							
				ELECTRIC/TELECOMMUNICATIONS/CABLE TV			SPLICE BOX		SANITARY SEWER FORCE MAIN VALVE							
				ELECTRIC/TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL			CABINET		GAS VALVE							
				ELECTRIC/CABLE TV/TRAFFIC CONTROL			VENT		GAS METER							
				ELECTRIC/TELECOMMUNICATIONS/TRAFFIC CONTROL			ELECTRIC MANHOLE		GAS MANHOLE							
				GUY WIRE			HAND HOLE		GAS PRESSURE REGULATOR							
				TELECOMMUNICATIONS			TRANSFORMER		GAS VAULT							
				TELECOMMUNICATIONS/TRAFFIC CONTROL			ELECTRIC METER		GAS TEST STATION							
				TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL			ELECTRIC BOX		PETROLEUM VALVE							
UNDERGROUND				TELECOMMUNICATIONS/CABLE TV			TELECOMMUNICATIONS MANHOLE		TRAFFIC CONTROL MANHOLE/ ELECTRIC COMMUNICATIONS BOX							
				CABLE TV			TELECOMMUNICATIONS PEDESTAL		TRAFFIC CONTROL PEDESTRIAN SIGNAL/BUTTON POST							
				CABLE TV/TRAFFIC CONTROL			SUBSCRIBER LOOP CARRIER (aka "SLICK")									
				TRAFFIC CONTROL			PHONE BOOTH									
				ELECTRIC (OL-D)			CABLE TV PEDESTAL									
				ELECTRIC (OL-C)			CABLE TV MANHOLE									
				ELECTRIC (OL-B)			WATER VALVE									
				TELECOMMUNICATIONS (OL-D)			WATER METER									
				TELECOMMUNICATIONS (OL-C)			WATER MANHOLE									
				TELECOMMUNICATIONS (OL-B)			FIRE HYDRANT ASSEMBLY (INCLUDES ASSOCIATED VALVE)									
				CABLE TV (OL-D)			BACKFLOW PREVENTER									
				CABLE TV (OL-C)			PRESSURE INDICATOR VALVE									
				CABLE TV (OL-B)			AIR RELEASE VALVE									
				WATER (OL-D)			WELL									
				WATER (OL-C)			WATER VAULT									
				WATER (OL-B)			WATER VALVE MARKER									
				WATER FOR LABELED PIPE SIZES (OL-D)			STAND PIPE									
				WATER FOR LABELED PIPE SIZES (OL-C)												
				WATER FOR LABELED PIPE SIZES (OL-B)												
				NON-POTABLE WATER (OL-D)												
				NON-POTABLE WATER (OL-C)												
				NON-POTABLE WATER (OL-B)												
				NON-POTABLE WATER FOR LABELED PIPE SIZES (OL-D)												
				NON-POTABLE WATER FOR LABELED PIPE SIZES (OL-C)												
				NON-POTABLE WATER FOR LABELED PIPE SIZES (OL-B)												
				STEAM (OL-D)												
				STEAM (OL-C)												
				STEAM (OL-B)												
				STEAM FOR LABELED PIPE SIZES (OL-D)												
				STEAM FOR LABELED PIPE SIZES (OL-C)												
				STEAM FOR LABELED PIPE SIZES (OL-B)												
				SANITARY SEWER WITH FLOW DIRECTION (OL-D)												
				SANITARY SEWER WITH FLOW DIRECTION (OL-C)												
				SANITARY SEWER WITH FLOW DIRECTION (OL-B)												
				SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (OL-D)												
				SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (OL-C)												
				SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (OL-B)												
				SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (OL-D)												
				SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (OL-C)												
				SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (OL-B)												
				GAS (OL-D)												
				GAS (OL-C)												
			GAS (OL-B)													
			GAS FOR LABELED PIPE SIZES (OL-D)													
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			PETROLEUM FOR LABELED PIPE SIZES (OL-B)													
			TRAFFIC CONTROL (OL-D)													
			TRAFFIC CONTROL (OL-C)													
			TRAFFIC CONTROL (OL-B)													
			UNKNOWN UTILITY FOUND IN SUE INVESTIGATION (OL-B)													

FOR PROPOSED/TEMPORARY TRAFFIC CONTROL INFORMATION REFER TO TRAFFIC SIGNAL PLANS

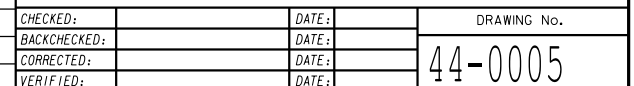
QUALITY LEVELS AND DEFINITIONS		
OL-D	DEPICTED ACCORDING TO UTILITY RECORD INFORMATION AND IN-FIELD VISUAL INSPECTION. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED.	
OL-C	EXISTING UTILITY STRUCTURES HAVE BEEN FIELD LOCATED AND SURVEYED TO ASSIST IN DEPICTING THE UTILITIES SHOWN ON RECORDS. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED.	
OL-B	INFORMATION WAS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROPRIATE HORIZONTAL POSITION OF THE SUBSURFACE UTILITIES. OL-B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.	
OL-A	OBTAIN PRECISE HORIZONTAL AND VERTICAL POSITION OF THE UTILITY LINE BY EXCAVATING A TEST HOLE. THE TEST HOLE SHALL BE DONE USING VACUUM EXCAVATION OR COMPARABLE NONDESTRUCTIVE EQUIPMENT IN A MANNER AS TO CAUSE NO DAMAGE TO THE UTILITY LINE. AFTER EXCAVATING A TEST HOLE, A FIELD SURVEY SHALL BE PERFORMED TO DETERMINE THE EXACT LOCATION AND POSITION OF THE UTILITY LINE.	

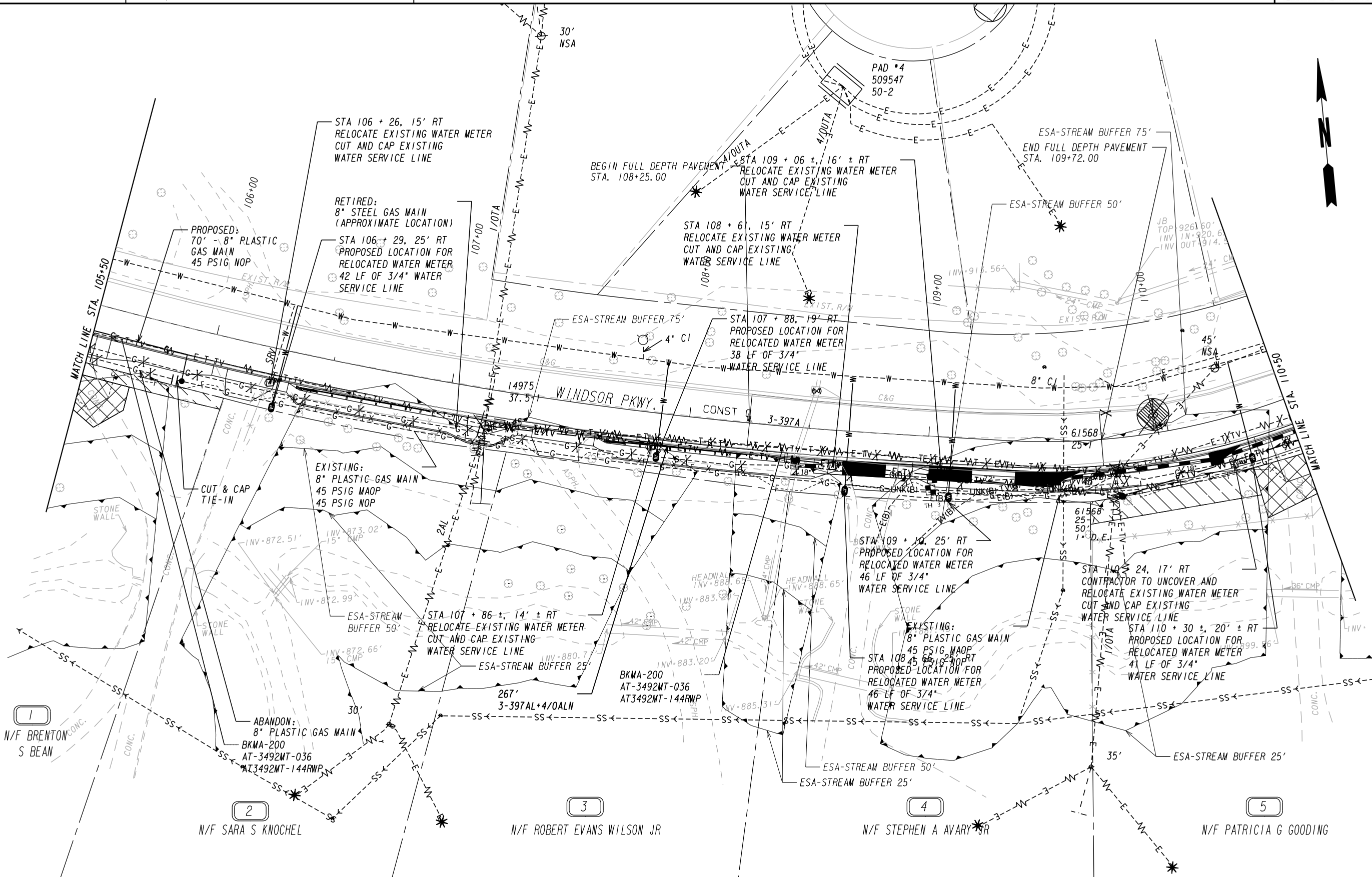
TELEPHONE PAIR SIZE TABLE	
TELEPHONE PAIR SIZE	TELEPHONE CABLE DIAMETER
5 - 100	0.50 TO 2.00 IN
101 - 2400	UP TO 3.50 IN

GEORGIA811

Utilities Protection Center, Inc.

Wherever You Dig, Call Before You Dig.





N/F BRENTON S BEAN

N/F SARA S KNOCHEL

N/F ROBERT EVANS WILSON JR

N/F STEPHEN A AVARY JR

N/F PATRICIA G GOODING

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

Michael Baker
INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SANDY SPRINGS
GEORGIA

SCALE IN FEET

0

20

40

80

REVISION DATES	

UTILITY RELOCATION PLANS
WINDSOR PARKWAY SIDEWALKS
STA. 105+50 TO STA. 110+50

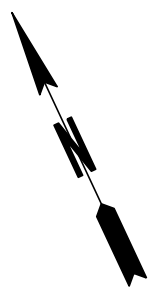
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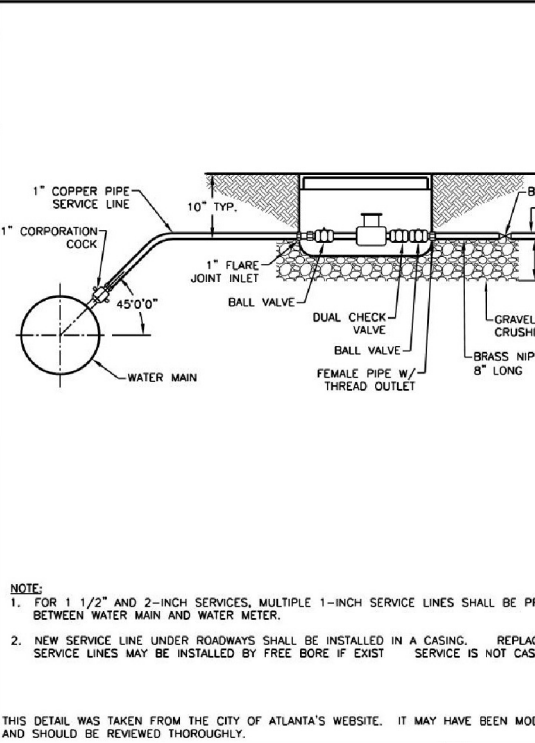
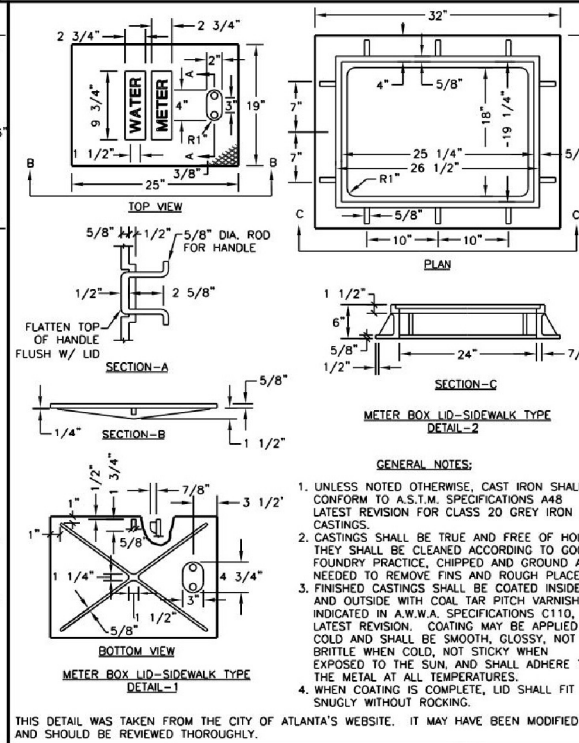
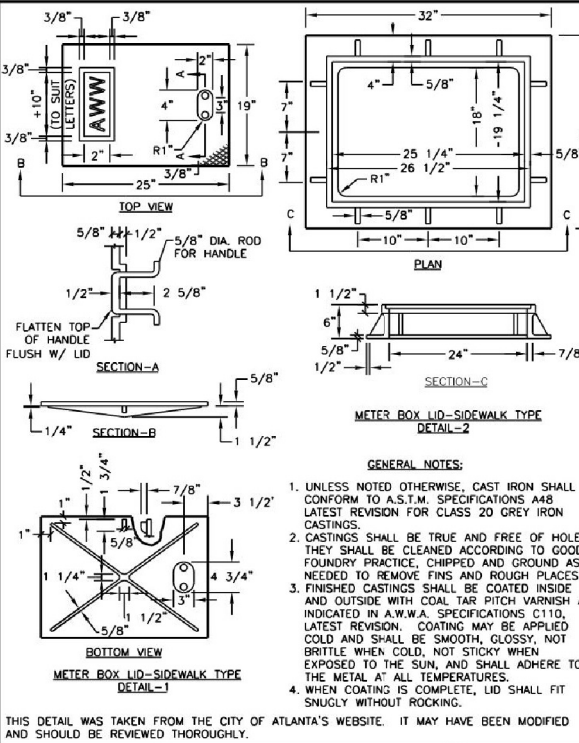
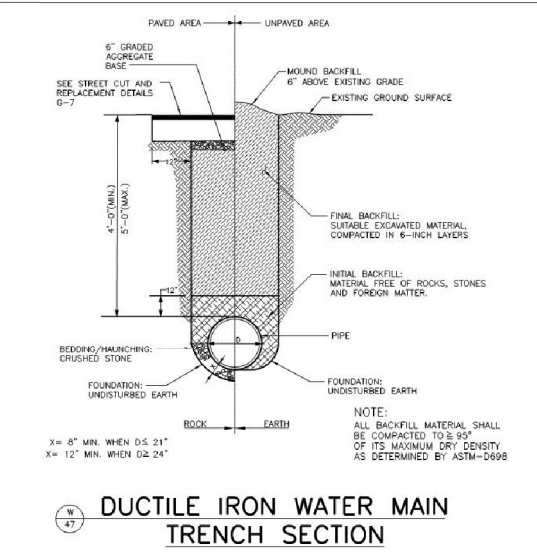
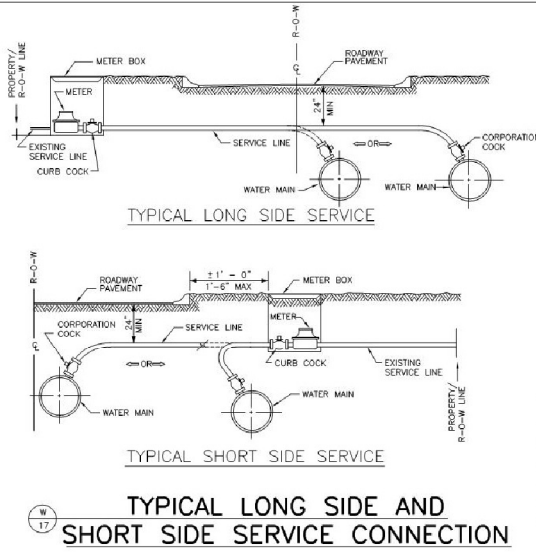
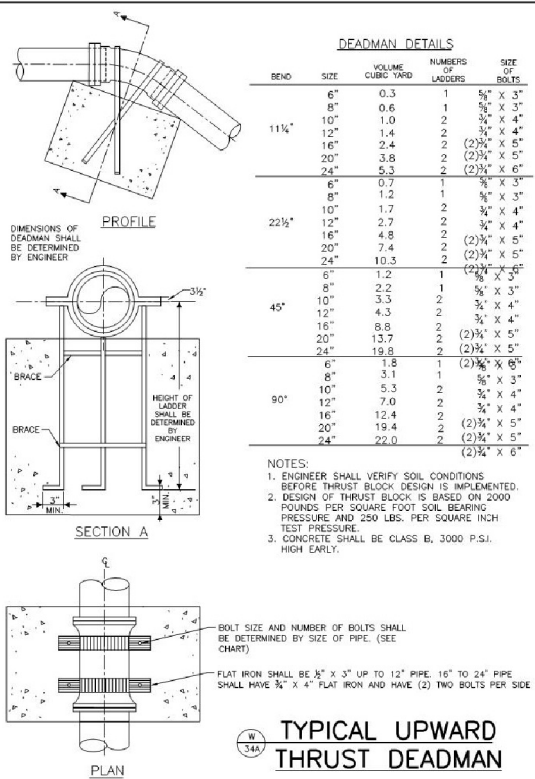
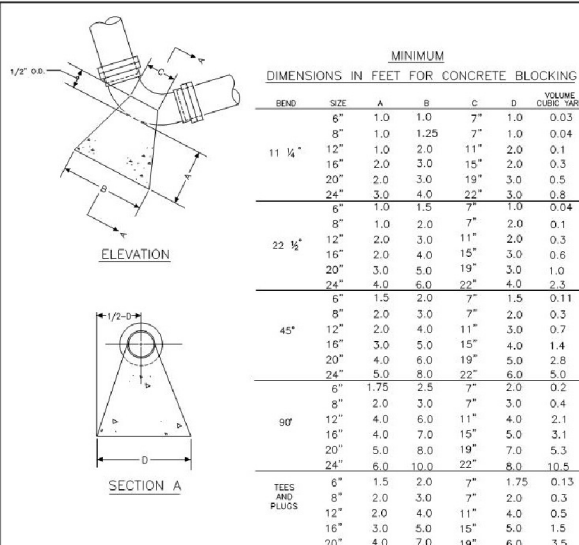
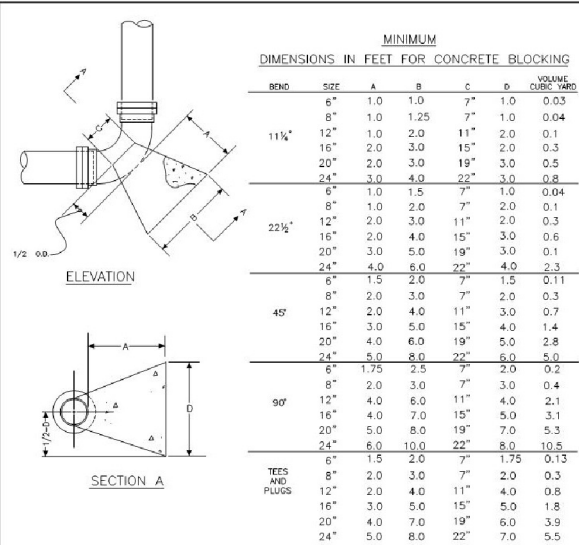
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UTILITY RELOCATION PLANS			
WINDSOR PARKWAY SIDEWALKS			
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			44-0008



	STANDARD DETAILS		REV. DATE: OCT. 2011
	TYPICAL METER BOX LID AND FRAME TRAFFIC TYPE		ORIG. DATE: NOV. 2004
			SCALE: N.T.S.

	STANDARD DETAILS		REV. DATE: OCT. 2011
	TYPICAL METER BOX LID AND FRAME SIDEWALK TYPE		ORIG. DATE: NOV. 2004
			SCALE: N.T.S.

	STANDARD DETAILS		REV. DATE: OCT. 2011
	WATER SERVICE AND METER CONNECTION		ORIG. DATE: OCT. 2004
			SCALE: N.T.S.



SUMMARY OF QUANTITIES

UTILITY RELOCATION		
TRAFFIC CONTROL	LS	1
GRADING COMPLETE	LS	1
WATER SERVICE LINE, 3/4 IN	LF	445
RELOCATE EXISTING WATER METER, INCL BOX	EA	10

REF:08
REF:08
REF:08
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REF:08
REF:08A
REF:08B
REF:08C

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

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CODE		PRACTICE STD OR DETAIL SPEC. SECT.		DETAIL		DESCRIPTION			
Ss		SLOPE STABILIZATION CONSTRUCTION DETAIL D-35 SECTION 716				SLOPE STABILIZATION (EROSION CONTROL MATTING) IS A PROTECTIVE COVERING USED TO PREVENT EROSION AND ESTABLISH TEMPORARY OR PERMANENT VEGETATION ON STEEP SLOPES, SHORE LINES, OR CHANNELS. SLOPE STABILIZATION MAY BE A ROLLED EROSION CONTROL PRODUCT (RECP) OR A HYDRAULIC EROSION CONTROL PRODUCT (HECP). SLOPE STABILIZATION SHALL BE USED ON ALL CUT OR FILL SLOPES OF 2.5:1 OR STEEPER AND WITHIN 50 FEET OF ALL CROSS DRAINS AND CULVERTS. NOTE: ONLY COCONUT FIBER BLANKET OR WOOD FIBER BLANKET SHALL BE USED AS SLOPE STABILIZATION WITHIN BUFFERED AREAS.			
		PATTERN							
Tac		TACKIFIERS SECTION 163, 700, 895				TACKIFIERS HYDRATE IN WATER AND READILY BLEND WITH OTHER SLURRY MATERIALS AND ARE USED TO TIE-DOWN FOR SOIL, COMPOST, SEED, STRAW, HAY OR MULCH. TACKIFIERS REQUIREMENTS, SUCH AS ANIONIC POLYACRYLAMIDES (PAM) ARE ADDRESSED BY STANDARD SPECIFICATIONS AND ARE NOT TYPICALLY SHOWN ON THE PLANS. PAM IS TYPICALLY USED BY THE CONTRACTOR FOR TEMPORARY OR PERMANENT GRASSING. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR CRITERIA.			
		SYMBOL				POLYACRYLAMIDE			
Cd-F		FABRIC CHECK DAM CONSTRUCTION DETAIL D-24D SECTION 171				A CHECK DAM COMPOSED OF SYNTHETIC FIBER FABRIC, WIRE REINFORCED, POST, OVERFLOW WEIR, AND TURF REINFORCEMENT MATTING (TRM) SPLASHPAD PLACED IN DITCHES IN A SPECIAL CONFIGURATION WHICH CONTROLS ENERGY DISSIPATION AND FILTRATION OF STORM WATER. SEE CONSTRUCTION DETAIL D-24D FOR ADDITIONAL INFORMATION AND SPACING REQUIREMENTS. THIS ITEM IS SUITABLE FOR USE IN ROADSIDE DITCHES THAT ARE PART OF INFRASTRUCTURE CONSTRUCTION PROJECTS AND WITHIN THE CLEAR ZONE. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.			
		SYMBOL							
Cd-Fs		COMPOST FILTER SOCK CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163				A COMPOST FILTER SOCK CHECK DAM IS COMPOSED OF A PHOTODEGRADABLE OR BIODEGRADABLE KNITTED MESH MATERIAL CONTAINING A WEED FREE FILLER MATERIAL DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER. THEY SHALL BE PROPERLY STAKED FOR DITCH APPLICATIONS. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR MATERIAL SPECIFICATIONS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.			
		SYMBOL							
Cd-Hb		BALED STRAW CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163				A BALE STRAW CHECK DAM IS COMPOSED OF BALES PREFERABLY BOUND WITH WIRE OR NYLON INSTEAD OF TWINE. BALES SHOULD BE PLACED IN ROWS WITH BALE ENDS TIGHTLY ABUTTING ADJACENT BALES. THE DOWNSTREAM ROW OF BALES SHALL BE PLACED IN A TRENCH TO ALLOW THE TOP OF THE BALE'S LONG, WIDE SIDE TO BE LEVEL WITH THE GROUND AS A NON-ERODIBLE SPLASH PAD. PROPER STAKING IS ALSO REQUIRED FOR DITCH APPLICATIONS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.			
		SYMBOL							

CODE		PRACTICE STD OR DETAIL SPEC. SECT.		DETAIL		DESCRIPTION			
Cd-S		STONE CHECK DAM OR SANDBAG CHECK DAM CONSTRUCTION DETAIL D-56 SECTION 163.603				STONE CHECK DAMS ARE CONSTRUCTED OF TYPE-3 RIP-RAP WITH GEOTEXTILE UNDERLINER. STONE CHECK DAMS ARE PREFERRED IN ROADWAY DITCHES OUTSIDE THE CLEAR ZONE. CONSIDERATION SHOULD BE GIVEN TO USING OTHER APPROPRIATE CHECK DAMS AND/OR BMPs WITHIN THE CLEAR ZONE. SANDBAG CHECK DAMS ARE RECOMMENDED IN CONCRETE LINED CHANNELS FOR TEMPORARY VELOCITY CONTROL ONLY. ENSURE DISCHARGE POINT IS PROPERLY STABILIZED AND INCLUDE APPROPRIATE BMPs FOR SEDIMENT STORAGE UPSTREAM AND/OR DOWNSTREAM OF CONCRETE LINED CHANNELS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.			
		SYMBOL							
Ch-1		VEGETATED CHANNEL STABILIZATION SECTION 700				A NEW OR EXISTING CHANNEL MAY BE LINED WITH PERMANENT VEGETATION ONLY FOR VELOCITIES UP TO 5.0 fps. THIS MEASURE SHALL BE DESIGNED IN ACCORDANCE WITH THE GDOT CHANNEL LINING DESIGN PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. TYPICALLY NOT SHOWN IN PLANS.			
		LINE CODE							
Ch-2R1		CHANNEL STABILIZATION RIP-RAP, TYPE 1 CONSTRUCTION DETAIL D-49 SECTION 603				THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 1 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED.			
		LINE CODE				"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.			
Ch-2R3		CHANNEL STABILIZATION RIP-RAP, TYPE 3 CONSTRUCTION DETAIL D-49 SECTION 603				THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 3 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED.			
		LINE CODE				"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.			

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.

2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

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												52-0002	

NOTE:

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NOTE:

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CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION	CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Fr	FILTER RING CONSTRUCTION DETAIL D-46 SECTION 163		A TEMPORARY STONE BARRIER CONSTRUCTED AT DRAINAGE STRUCTURE INLETS AND POST-CONSTRUCTION POND OUTLETS. IT REDUCES RUNOFF VELOCITY AND HELPS PREVENT SEDIMENT FROM LEAVING SITE PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREA. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION ON USAGE.	R1-B	RETROFITTING SLOTTED BOARD DAM CONSTRUCTION DETAIL D-45 SECTION 163		A SLOTTED BOARD DAM CONSISTS OF STONE AND/OR FILTER FABRIC AND BOARDS WITH 0.5" - 1.0" SPACING TO SERVE AS A TEMPORARY SEDIMENT FILTER. PERMANENT STORMWATER DETENTION POND OUTLET: -DRAINAGE AREA UP TO 100 ACRES -DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA ROADWAY DRAINAGE STRUCTURE: -OPEN END PIPES, WINGED HEADWALLS, OR CONCRETE WEIR OUTLETS WITH DRAINAGE AREA LESS THAN 30 ACRES REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
		SYMBOL 				SYMBOL 	
Rd	ROCK FILTER DAM CONSTRUCTION DETAIL D-43 SECTION 163, 603		ROCK FILTER DAMS ARE CONSTRUCTED OF TYPE 3 STONE RIP-RAP FACED WITH #57 STONE ON THE UPSTREAM SIDE. THEY ARE PLACED ACROSS DRAINAGEWAYS WHICH DRAIN 50 ACRES OR LESS. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING ROCK FILTER DAMS. THE DAM SHOULD NOT BE HIGHER THAN THE CHANNEL BANKS. ROCK FILTER DAMS SHOULD BE USED IN DITCHES PRIOR TO DISCHARGING INTO STREAMS, WETLANDS, OPEN-WATERS, OR OTHER ESAs.	R1-Sg1 R1-Sg2 R1-Sg3	RETROFITTING SILT CONTROL GATES CONSTRUCTION DETAIL D-20 SECTION 163		A SILT CONTROL GATE CONSISTS OF BOARDS WITHOUT SPACING AND FILTER FABRIC TO BE USED FOR TEMPORARY SEDIMENT STORAGE ON ROADWAY PROJECTS AT THE INLET OF STRUCTURES WITH A DRAINAGE AREA UP TO 50 ACRES. THE DISTURBED AREA WITHIN THE DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. SILT CONTROL GATES SHOULD NOT BE USED ALONE, BUT WITH ANOTHER BMP DOWNSTREAM PRIOR TO DISCHARGE LEAVING PROJECT AREA. DO NOT USE SILT GATES IN STATE WATERS. R1-Sg1-TYPE 1: USED ON BOX CULVERTS R1-Sg2-TYPE 2: USED ON STRAIGHT HEADWALLS R1-Sg3-TYPE 3: USED ON FLARED END SECTIONS AND TAPERED HEADWALLS
		SYMBOL 				SYMBOL 	
Rd-B	STONE FILTER BERM CONSTRUCTION DETAIL D-50 SECTION 163, 603		STONE FILTER BERMS ARE CONSTRUCTED SIMILAR TO ROCK FILTER DAMS FOR A LINEAR APPLICATION. THEY ARE CONSTRUCTED OF TYPE-3 STONE RIP-RAP FACED WITH #57 STONE ON THE UPSTREAM SIDE. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING STONE FILTER BERMS. STONE FILTER BERMS ARE IDEAL ALONG THE PERIMETER FOR SHEET FLOW AND/OR SHALLOW CONCENTRATED FLOW TO A COMMON LOW AREA WHERE PERIMETER SILT FENCE ALONE MAY BE INSUFFICIENT. THERE IS NO WELL-DEFINED CHANNEL FOR A STANDARD ROCK FILTER DAM. AND/OR CONSTRUCTING A ROCK OUTLET TEMPORARY SEDIMENT TRAP IS NOT APPLICABLE.	Sd1-NS	SEDIMENT BARRIER (NON-SENSITIVE) SILT FENCE TYPE A CONSTRUCTION DETAIL D-24 SECTION 171		SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW. TYPE-A SILT FENCE IS TYPICALLY USED IN NON-ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS LESS THAN 10'. IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.
		LINE CODE 				LINE CODE 	
Rp	RIP-RAP SECTION 603		RIP-RAP IS A FLEXIBLE PERMANENT BLANKET FOR PROTECTION OF FILL SLOPES AND BRIDGE END ROLLS. RIP-RAP TYPE-I SHOULD BE PLACED ON TOP OF A GEOTEXTILE UNDERLINER AT A MINIMUM 24" THICKNESS OR AS INDICATED ON THE PLANS. RIP-RAP MAY ALSO BE USED AT DRAINAGE STRUCTURE OUTLETS WITHIN THE RIGHT-OF-WAY. HOWEVER, APPROPRIATE OUTLET PROTECTION SHOULD BE PROVIDED AT OUTFALLS. REFER TO STORM DRAIN OUTLET PROTECTION FOR ADDITIONAL INFORMATION ON USING RIP-RAP AT OUTFALLS.	Sd1-S	SEDIMENT BARRIER (SENSITIVE) SILT FENCE TYPE C CONSTRUCTION DETAIL D-24 SECTION 171		SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW. TYPE-C SILT FENCE IS TYPICALLY USED IN ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS 10' AND GREATER. ALL ENVIRONMENTALLY SENSITIVE AREAS (ESAs) SHALL BE PROTECTED WITH A DOUBLE-ROW OF TYPE-C SILT FENCE REGARDLESS OF FILL HEIGHT. A SINGLE-ROW MAY BE USED FOR OTHER APPLICATIONS. IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.
		PATTERN 				LINE CODE 	
R1-P	RETROFITTING PERFORATED HALF-ROUND PIPE CONSTRUCTION DETAIL D-44 SECTION 163		A PERFORATED HALF-ROUND PIPE WITH STONE FILTER PLACED IN FRONT OF A PERMANENT STORMWATER DETENTION POND OUTLET STRUCTURE TO SERVE AS A TEMPORARY SEDIMENT FILTER. SHOULD BE USED ONLY IN DETENTION PONDS WITH LESS THAN 30 ACRES TOTAL DRAINAGE AREA. SHALL ONLY BE USED IN DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.	NOTE: 1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE. 2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".			
		SYMBOL 					
				NO SCALE		REVISION DATES 3/2/2017	EROSION CONTROL LEGEND UNIFORM CODE SHEET SHEET 5 OF 7 CHECKED: D. EAGLETON DATE: 01/01/16 DRAWING No. BACKCHECKED: DATE: CORRECTED: DATE: VERIFIED: DATE: 52-0005

NOTE:

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2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

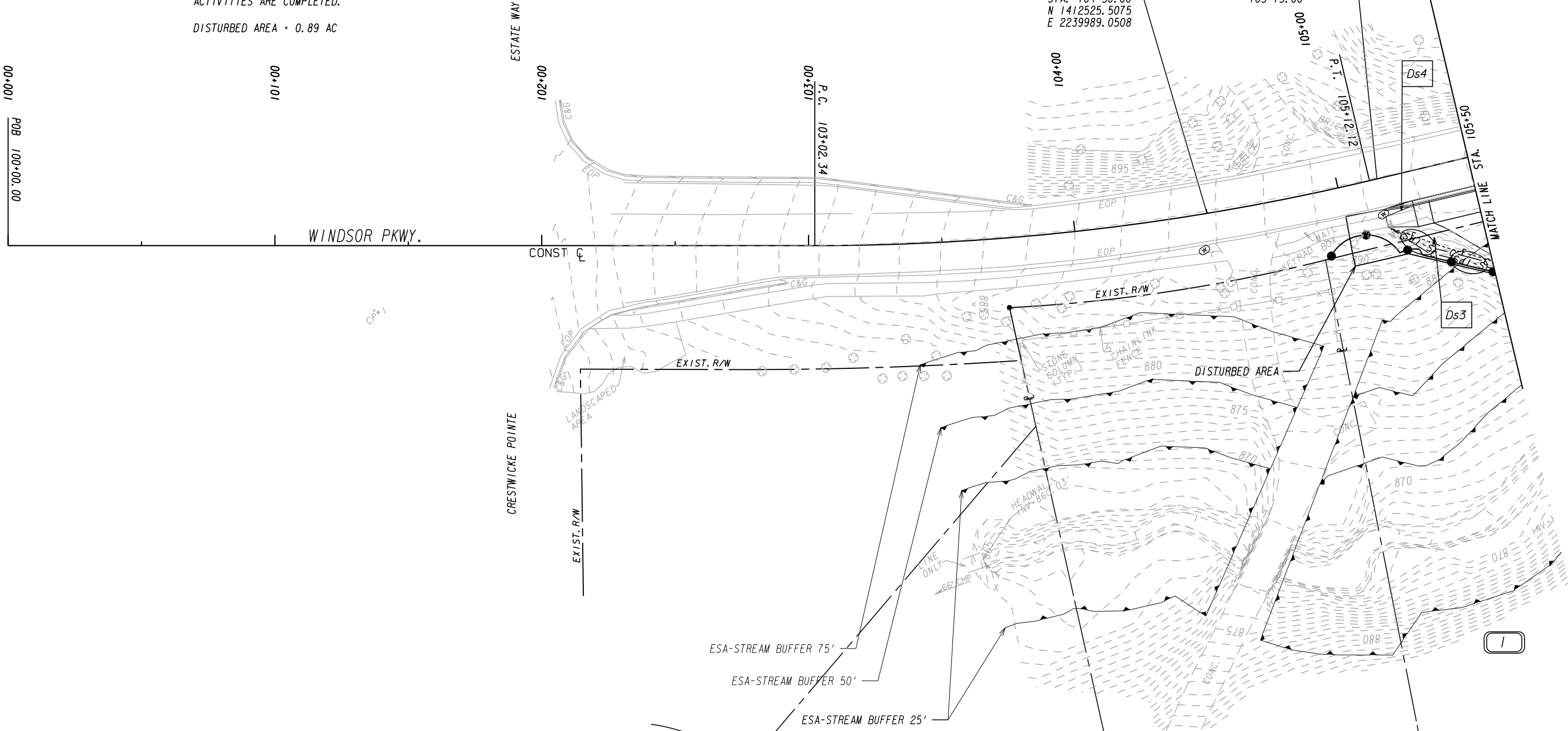
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CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION	CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
St	STORM DRAIN OUTLET PROTECTION GA. STD. 1125 & 2332		A PIPE OR BOX CULVERT OUTLET HEADWALL WITH AN APRON AND DISSIPATOR BLOCKS IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. IT IS USED ON THE OUTLET OF ALL BOX CULVERTS AND ON 48" AND LARGER PIPES. MAY BE USED ON INLET FOR FLOWING STREAMS. USE ON SMALL PIPES WHEN OUTLET VELOCITY OF THE 25-YEAR STORM IS 12 fps AND GREATER.				
		SYMBOL 					
St-Rp	STORM DRAIN OUTLET PROTECTION (RIP-RAP) CONSTRUCTION DETAIL D-55 SECTION 603		RIP-RAP OUTLET PROTECTION IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE, CHANNEL, OR STRUCTURE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. THE MINIMUM DESIGN OF RIP-RAP OUTLET PROTECTION SHALL BE THE 25-YEAR STORM PEAK FLOW, BUT LARGER STORMS ARE RECOMMENDED. TYPE-1 RIP-RAP AT A DEPTH OF 36" AND PLACED ON FILTER FABRIC IS PREFERRED FOR ALL 450 </- 1.2 FEET. TYPE-3 RIP-RAP AT A DEPTH OF 18" AND PLACED ON FILTER FABRIC MAY BE USED FOR 450 </- 0.7 FEET. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR REQUIRED DESIGN DIMENSIONS AND OTHER INFORMATION TO BE INCLUDED IN THE PLANS.				
		PATTERN FLAT AREA OR WELL-DEFINED CHANNEL					
Su	SURFACE ROUGHENING SERRATED SLOPES CONSTRUCTION DETAIL S-7 SECTION 205		PROVIDING A ROUGH SOIL SURFACE WITH HORIZONTAL DEPRESSIONS, BY OPERATING A CLEATED DOZER ON THE SLOPE IN A VERTICAL DIRECTION. CREATING SERRATED SLOPES IN THE GRADING PROCESS TO CONSTRUCT BENCHES WILL REDUCE RUNOFF VELOCITY AND INCREASE INFILTRATION OF WATER. IN MOST CASES THIS BMP IS NOT REQUIRED TO BE SHOWN ON THE PLANS, BUT REQUIRED TO BE COMPLETED BY THE CONTRACTOR UNDER ALL PROJECTS. IF SERRATED SLOPES ARE SPECIFIED BY THE SOIL SURVEY, THEN THIS BMP SHALL BE SHOWN ON THE PLANS WHERE SERRATED SLOPES ARE TO BE USED.				
		LINE CODE 					
Tc-F	TURBIDITY CURTAIN FLOATING CONSTRUCTION DETAIL D-51 SECTION 170		A FLOATING TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED WHERE CONSTRUCTION IS REQUIRED IN A LARGE BODY OF WATER SUCH AS LAKES AND RIVERS. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs. IT MAY ALSO BE REFERRED TO AS A FLOATING BOOM, SILT BARRIER, OR SILT CURTAIN.				
		FLOATING LINE CODE 					
Tc-S	TURBIDITY CURTAIN STAKED CONSTRUCTION DETAIL D-51 SECTION 170		A STAKED TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED IN SHALLOW INUNDATED AREAS. IT MAY BE USED TO PROTECT A SMALL STREAM BEING REALIGNED OR RESTORED. IN THIS CASE, CURTAIN SHOULD EXTEND TO BOTTOM OF STREAMBED. THE HEIGHT SHOULD BE LIMITED TO 5 FEET UNLESS DIRECTED AND EXTEND 2 FEET ABOVE NORMAL WATER ELEVATION. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs. IT MAY BE REFERRED TO AS A SILT BARRIER OR SILT CURTAIN.				
		STAKED LINE CODE 					
				NOTE:			
				1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.			
				2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".			
				EROSION CONTROL LEGEND			
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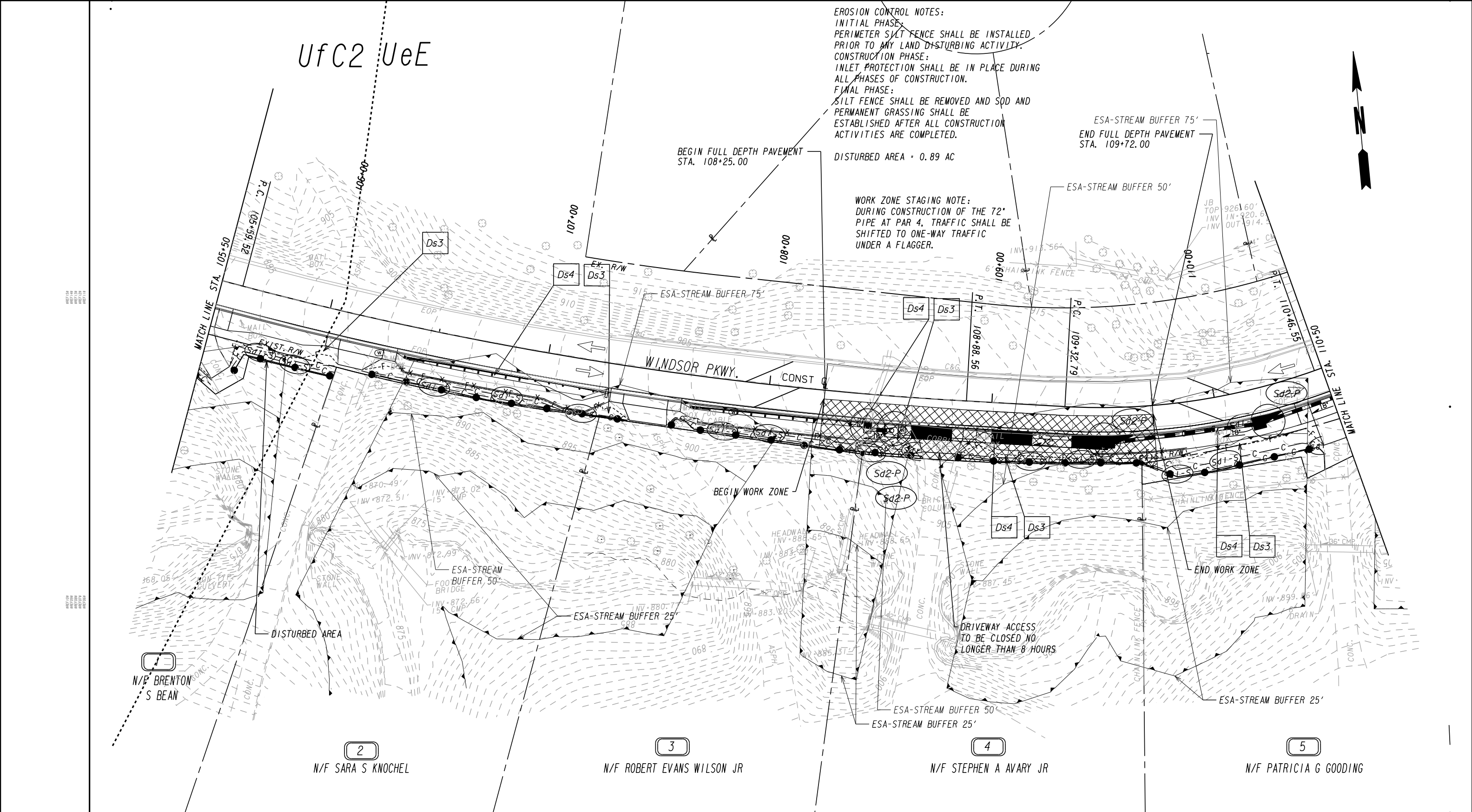
- NOTE:
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UfC2

EROSION CONTROL NOTES:
INITIAL PHASE:
PERIMETER SILT FENCE SHALL BE INSTALLED
PRIOR TO ANY LAND DISTURBING ACTIVITY.
CONSTRUCTION PHASE:
INLET PROTECTION SHALL BE IN PLACE DURING
ALL PHASES OF CONSTRUCTION.
FINAL PHASE:
SILT FENCE SHALL BE REMOVED AND SOD AND
PERMANENT GRASSING SHALL BE
ESTABLISHED AFTER ALL CONSTRUCTION
ACTIVITIES ARE COMPLETED.

DISTURBED AREA = 0.89 AC





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NORCROSS, GEORGIA 30092
(770) 263-9118

SCALE IN FEET
0 20 40 80

REVISION DATES	

BMP LOCATION DETAILS			
WINDSOR PARKWAY SIDEWALKS STA. 105+50 TO STA. 110+50			
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CORRECTED:		DATE:	
VERIFIED:		DATE:	

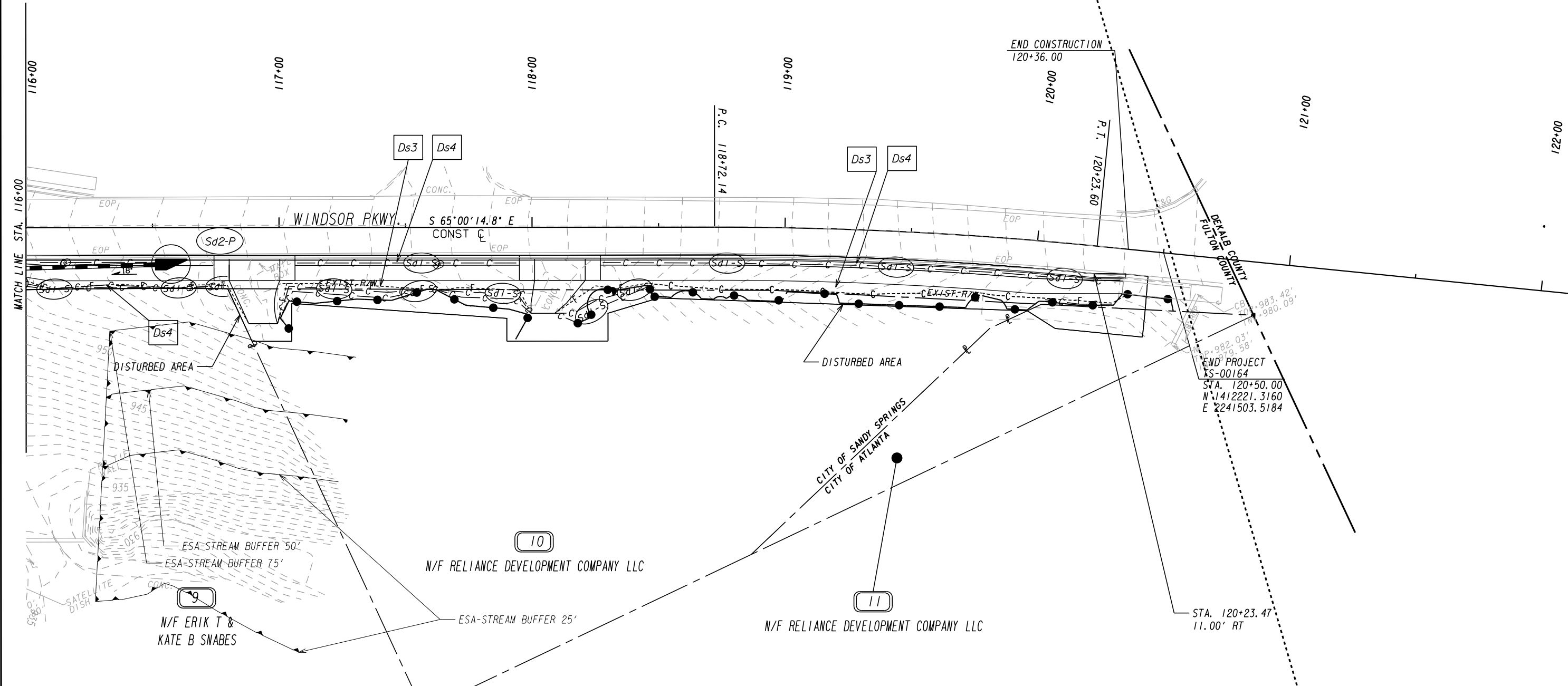
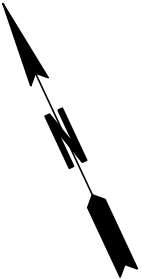
DRAWING No.
54-0002

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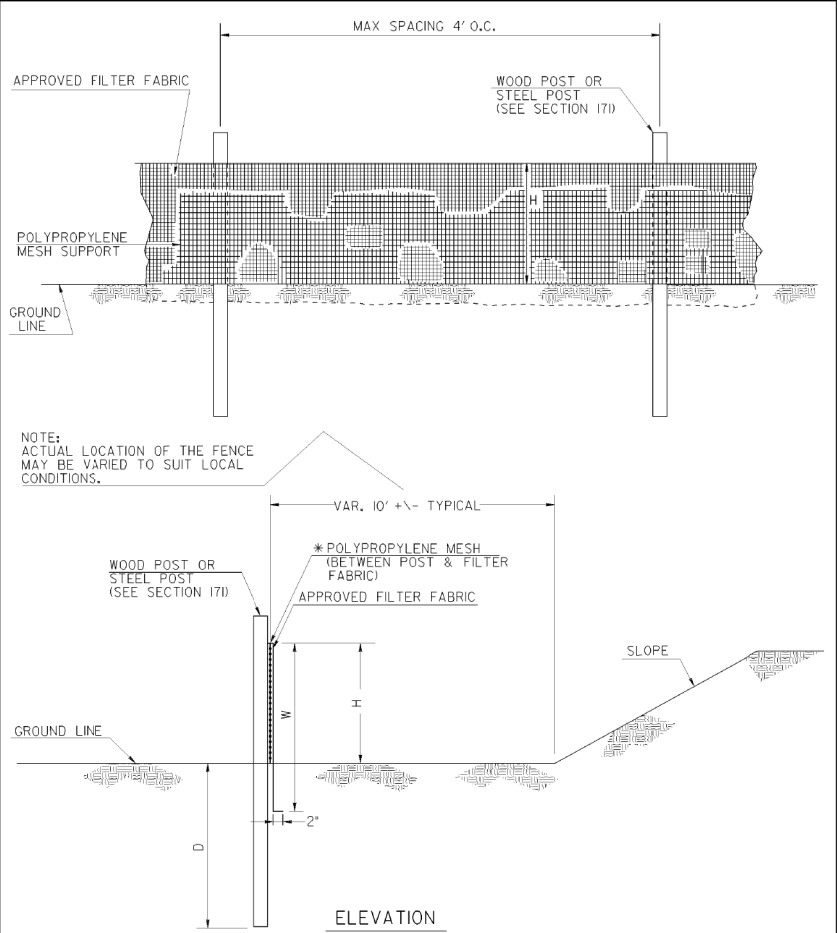
EROSION CONTROL NOTES:
INITIAL PHASE:
PERIMETER SILT FENCE SHALL BE INSTALLED
PRIOR TO ANY LAND DISTURBING ACTIVITY.
CONSTRUCTION PHASE:
INLET PROTECTION SHALL BE IN PLACE DURING
ALL PHASES OF CONSTRUCTION.
FINAL PHASE:
SILT FENCE SHALL BE REMOVED AND SOD AND
PERMANENT GRASSING SHALL BE
ESTABLISHED AFTER ALL CONSTRUCTION
ACTIVITIES ARE COMPLETED.

DISTURBED AREA = 0.89 AC

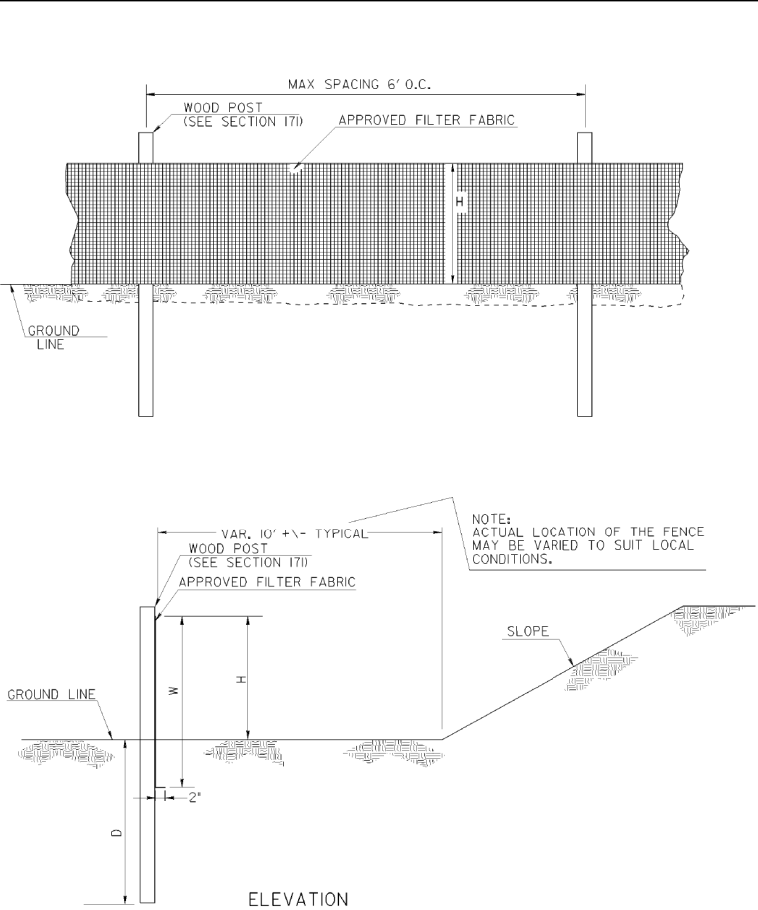
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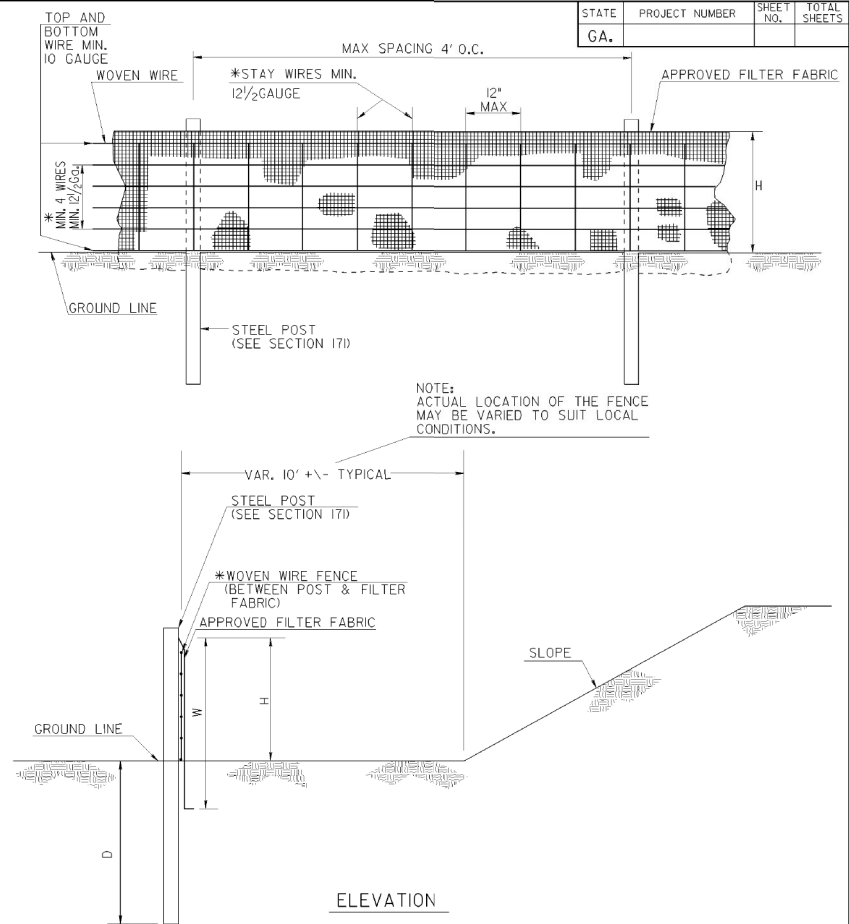
1/18/2011 1:25:13 PM \\GDOT-DSN\GDPLOT\OCF\GD_KTp8000.qcf gowens V:\GARY\Rev. Construction Details\D-24A\D-24A.plt GD-R06



SINGLE ROW TYPE C SILT FENCE WITH POLYPROPYLENE MESH SUPPORT



SINGLE ROW TYPE A SILT FENCE



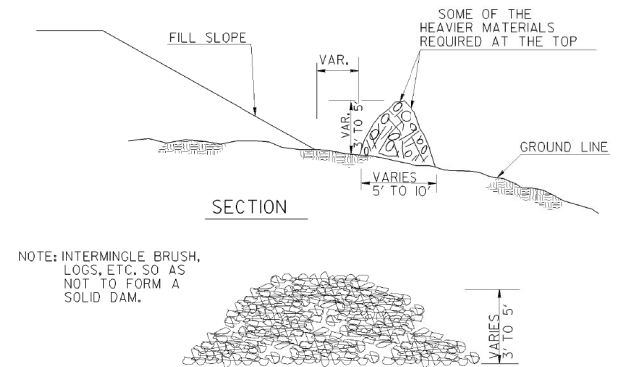
SINGLE ROW TYPE C SILT FENCE WITH WOVEN WIRE SUPPORT

FENCE TYPE	POST LENGTH	H	D	W	TYPICAL USES
TYPE "A"	4 FT.	2'-4"	1'-6"	3'-0"	
TYPE "C"	4 FT.	2'-4"	1'-6"	3'-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D.

- NOTES:
- WIRE STAPLES SHALL BE AT LEAST 17 GAUGE, WITH LEGS AT LEAST 1/2 INCHES LONG AND A CROWN AT LEAST 3/4 INCHES WIDE. NAILS SHALL BE AT LEAST 14 GAUGE, 1 INCH LONG, WITH BUTTON HEADS AT LEAST 3/4 INCHES WIDE.
 - NAILS OR STAPLES SHALL BE EVENLY PLACED WITH AT LEAST 5 PER POST FOR TYPE A FENCE AND 4 PER POST FOR TYPE C FENCE.
 - THE VERTICAL WIRES FOR THE WOVEN WIRE SUPPORT FENCE SHALL HAVE A MAXIMUM SPACING OF 12 INCHES. THE TOP AND BOTTOM WIRES SHALL BE AT LEAST 10 GAUGE AND ALL OTHER WIRES SHALL BE AT LEAST 12 1/2 GAUGE.
 - TEMPORARY SILT FENCE INSTALLATION IS DIFFERENT THAN THE SILT RETENTION BARRIER INSTALLATION.
 - SEE SECTION 171 FOR SILT FENCE SPECIFICATIONS.
 - SEE SECTION 894 FOR FENCING SPECIFICATIONS.
 - SEE OPL-36 FOR A LIST APPROVED SILT FENCE FABRIC.
 - TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS UNLESS PERMITTED.

		DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA
		REVISION	CONSTRUCTION DETAILS TEMPORARY SILT FENCE
		BY	NO SCALE REV. AND REDRAWN JAN. 2011
			NUMBER D-24A (SHEET 1 OF 4)

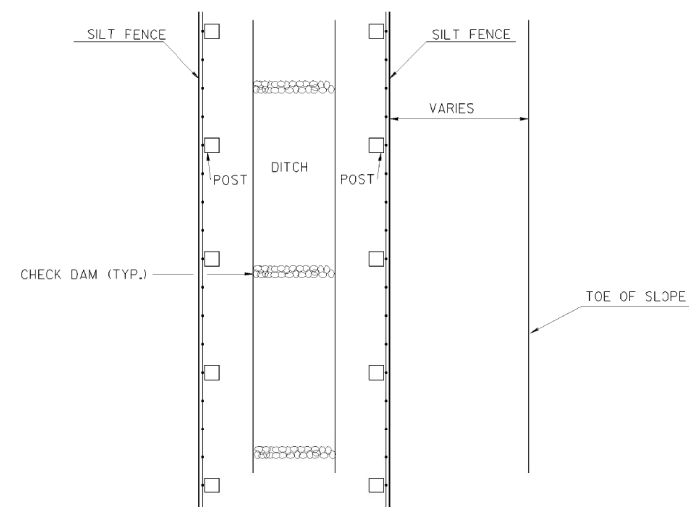
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BRUSH BARRIER DETAILS

(FOR USE IN RURAL AREAS)

FENCE TYPE	POST LENGTH	H	D	W	TYPICAL USES
TYPE "A"	4 FT.	2'-4"	1'-6"	3'-0"	
TYPE "C"	4 FT.	2'-4"	1'-6"	3'-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHOCKDAMS SEE D-240.



NOTE: TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS.

FENCE TYPE	POST LENGTH	H	D	W	TYPICAL USES
TYPE 'A'	4 FT.	2'-4"	1'-6"	3'-0"	
TYPE 'C'	4 FT.	2'-4"	1'-6"	3'-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLAND AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-240.

		DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
		REVISION	CONSTRUCTION DETAILS TEMPORARY SILT FENCE BERM DITCH, INSTALLATION, BRUSH BARRIER	
			NO SCALE REV. AND REDRAWN JAN. 2011	
	BY		NUMBER D-24B (SHEET 2 OF 4)	

REVISION DATES

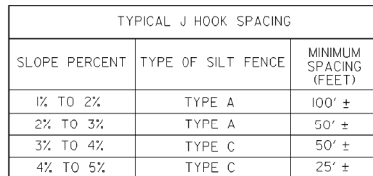
EROSION CONTROL CONSTRUCTION DETAILS

WINDSOR PARKWAY SIDEWALKS

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BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

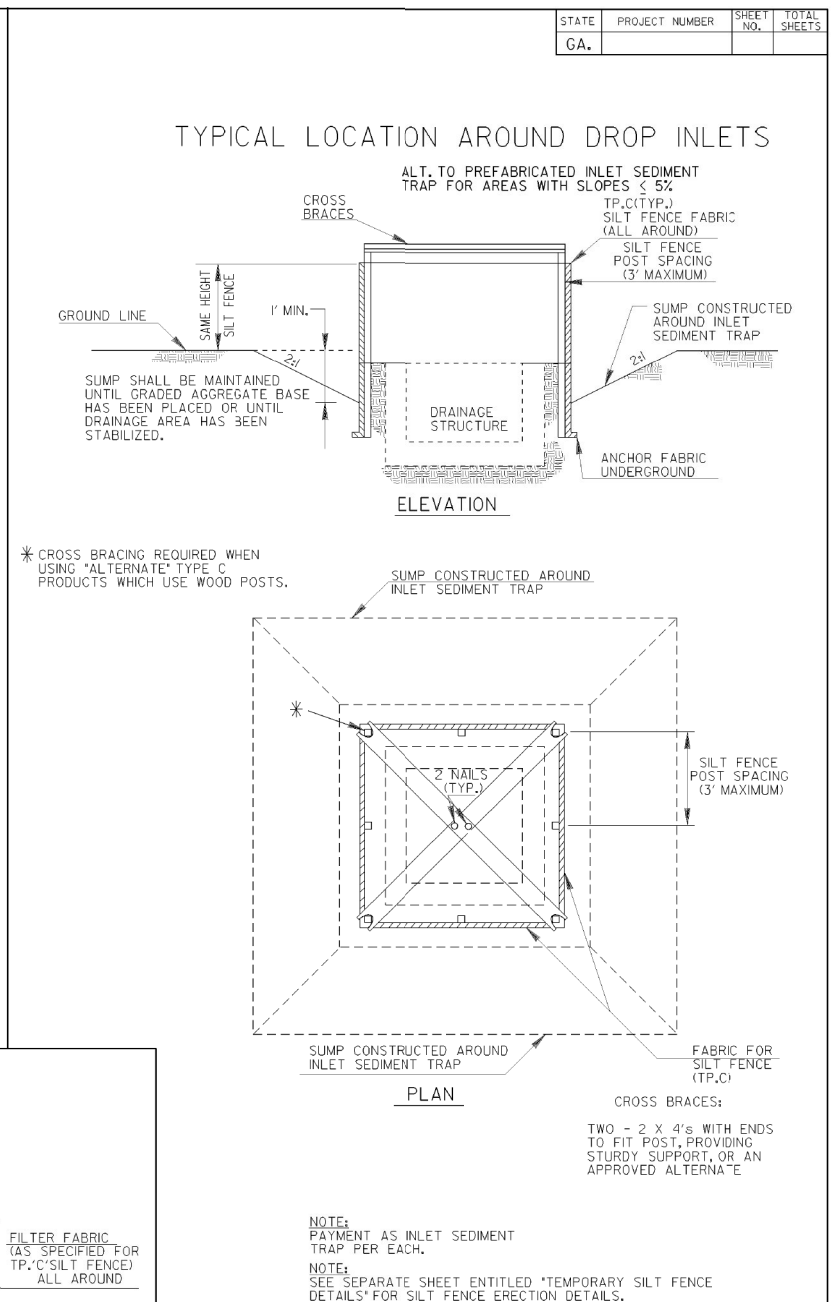
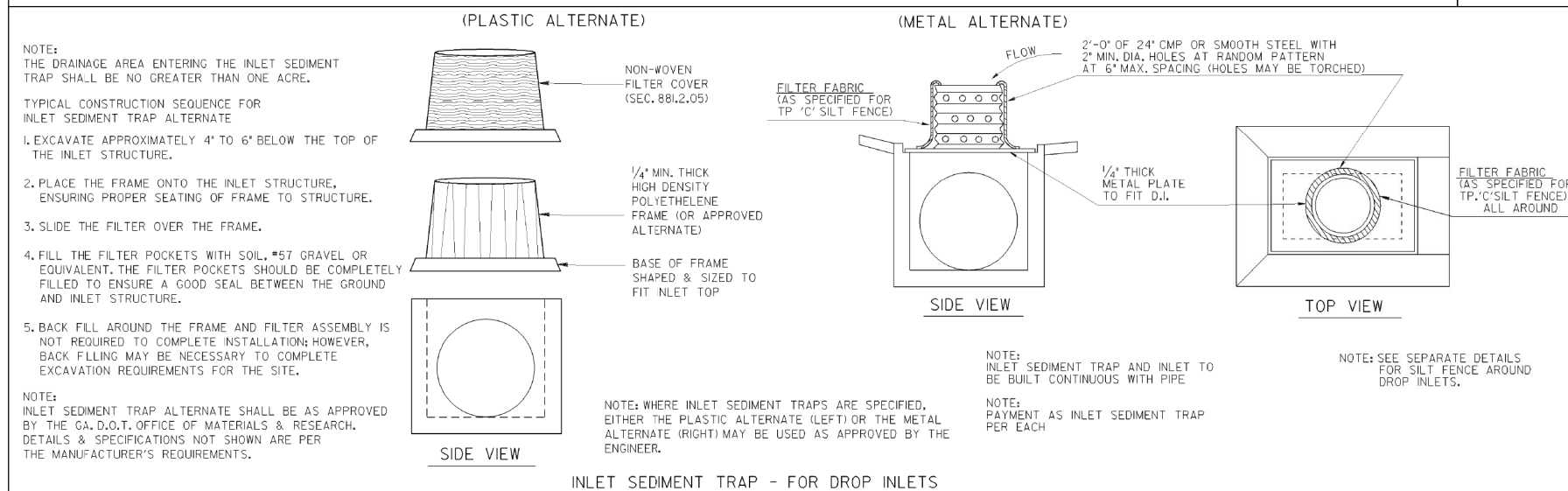
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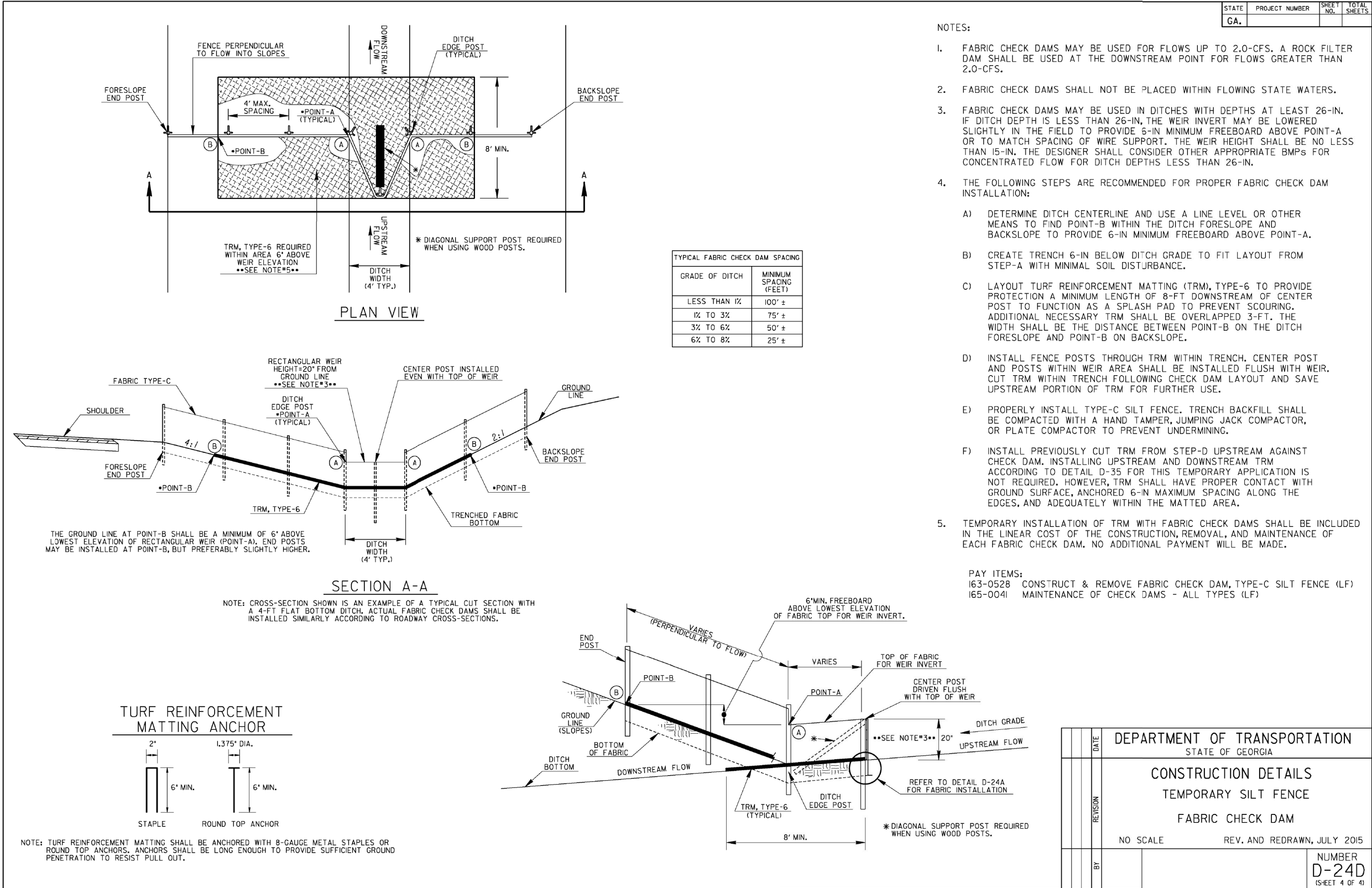
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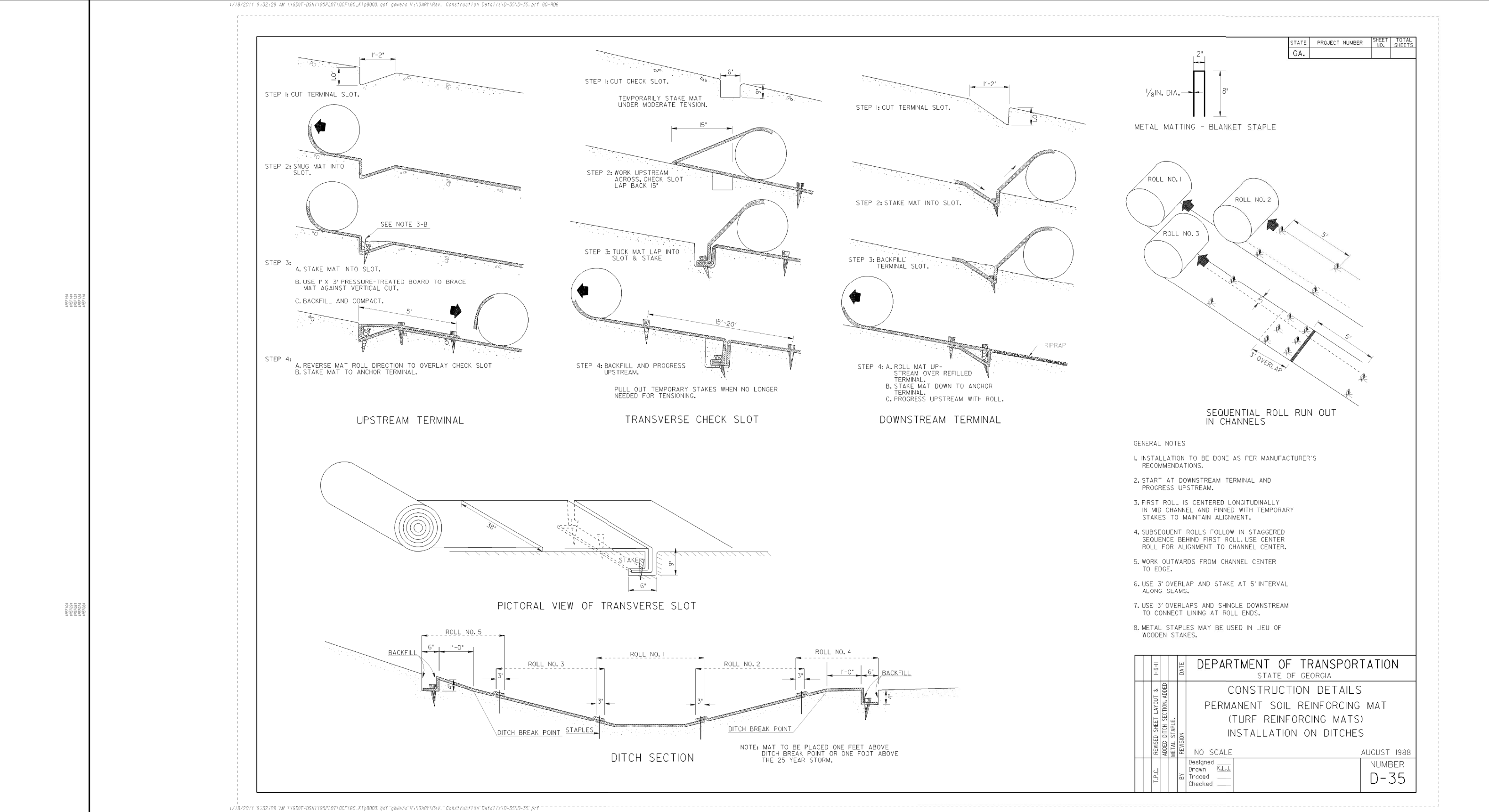
1. IF THE GRADE IS BETWEEN 0 TO 1 PERCENT, THE SILT FENCE SHALL BE PLACED ACROSS THE DITCH.
2. TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS.



		DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
		REVISION	CONSTRUCTION DETAILS TEMPORARY SILT FENCE J-HOOK, INLET SEDIMENT TRAPS	
			NO SCALE	JANUARY 2011
	BY			NUMBER D-24C (SHEET 3 OF 4)

56-0003

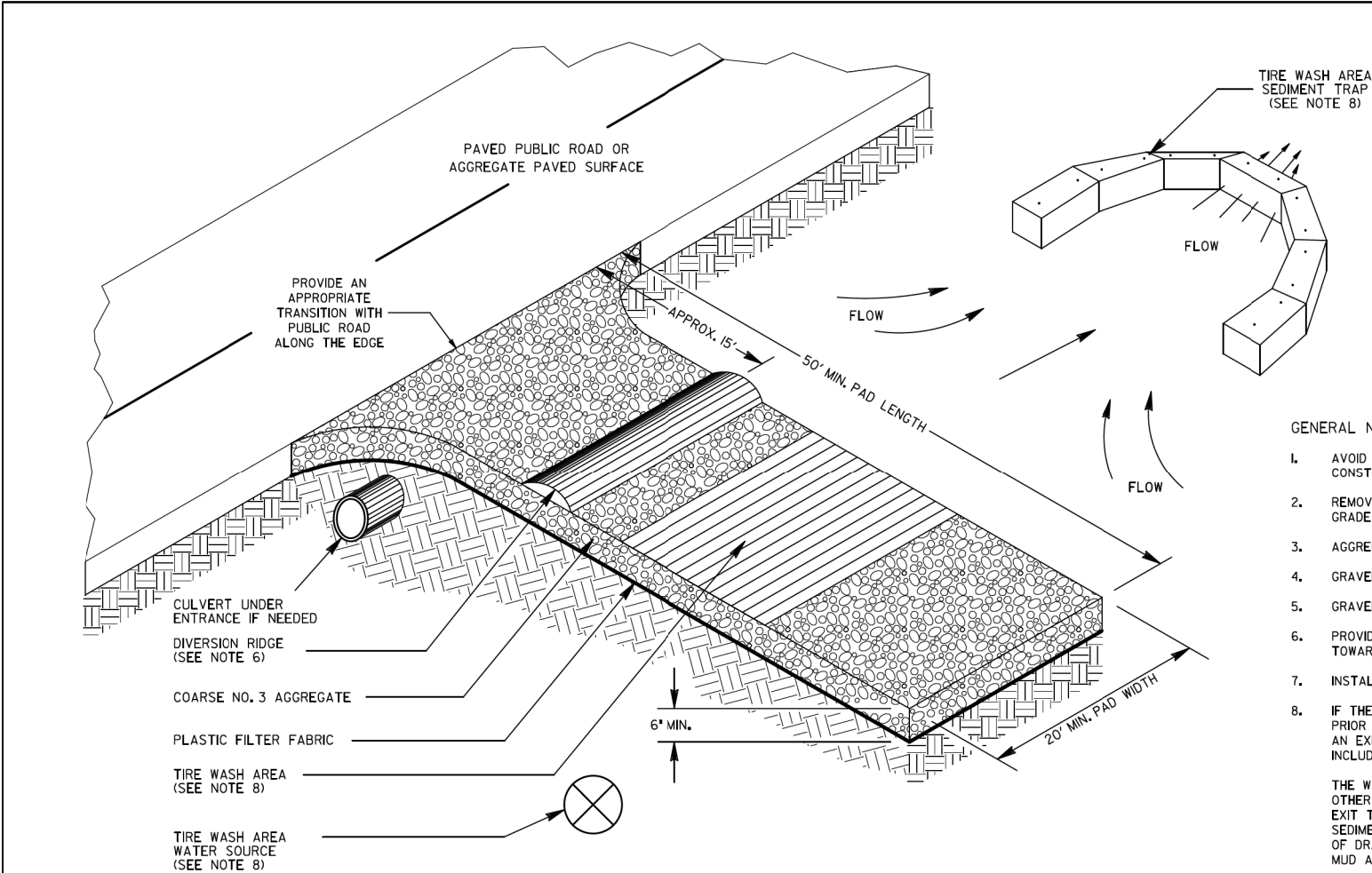




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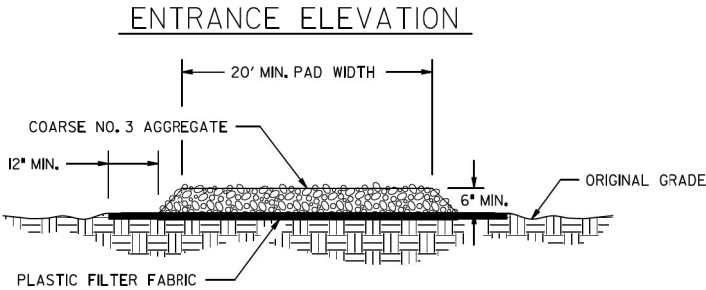
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10/23/2015
GPLN



- GENERAL NOTES:
1. AVOID LOCATING CONSTRUCTION EXITS ON STEEP SLOPES OR AT SHARP CURVES ON PUBLIC ROADS. CONSTRUCTION EXITS ARE NOT REQUIRED FOR DIRT PUBLIC ROADS.
 2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA AND GRADE FOR POSITIVE DRAINAGE.
 3. AGGREGATE SIZE SHALL BE COARSE NO. 3 AGGREGATE WITH 0.0% PASSING THE 1.06 INCH U.S. STANDARD SIEVE.
 4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6 INCHES AND PLACED ON APPROVED PLASTIC FILTER FABRIC.
 5. GRAVEL PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
 6. PROVIDE A TRAVERSABLE DIVERSION RIDGE CONSTRUCTED OF AGGREGATE 6 INCHES TO 8 INCHES HIGH WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
 7. INSTALL CULVERT UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
 8. IF THE ACTION OF THE VEHICLE TRAVELING OVER THE GRAVEL PAD DOES NOT SUFFICIENTLY REMOVE THE MUD PRIOR TO ENTERING PUBLIC ROADS, THE CONTRACTOR SHALL ADD A CONSTRUCTION EXIT TIRE WASH ASSEMBLY TO AN EXISTING CONSTRUCTION EXIT WHEN DIRECTED BY THE ENGINEER. THE CONSTRUCTION EXIT TIRE WASH ASSEMBLY INCLUDES: TIRE WASH AREA, WATER SOURCE, AND SEDIMENT TRAP OR OTHER ACCEPTABLE SEDIMENT STORAGE DEVICE.

THE WASHING SHALL BE DONE ON AN AREA STABILIZED WITH AGGREGATE THAT DRAINS INTO A SEDIMENT TRAP OR OTHER ACCEPTABLE SEDIMENT STORAGE DEVICE. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE CONSTRUCTION EXIT TO THE SEDIMENT CONTROL DEVICE. ACCEPTABLE SEDIMENT STORAGE DEVICE EXAMPLES INCLUDE TEMPORARY SEDIMENT TRAPS, HAY BALES OR STONE FILTER RING WITH THE SEDIMENT STORAGE SIZED FOR 67 CUBIC YARDS PER ACRE OF DRAINAGE. TIRE WASHING SHALL BE DONE MANUALLY OR BY EQUIPMENT SUITABLE FOR TRUCK TRAFFIC THAT REMOVES MUD AND DIRT.
 9. AGGREGATE SHALL BE KEPT LOOSE OR SCARIFIED WHEN AGGREGATE BECOMES CONSOLIDATED.
 10. CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR, AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. MAINTENANCE OF CONSTRUCTION EXIT WILL BE PAID ON THE BASIS OF HAVING OR NOT HAVING A CONSTRUCTION EXIT TIRE WASH ASSEMBLY WHEN DIRECTED BY THE ENGINEER. ALL MUD AND DEBRIS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- SEE STANDARD SPECIFICATION 163, AND SUPPLEMENTS THERETO FOR THE CONSTRUCTION AND REMOVAL OF CONSTRUCTION EXITS. SEE STANDARD SPECIFICATION 165, AND SUPPLEMENTS THERETO FOR THE MAINTENANCE OF CONSTRUCTION EXITS.



PAY ITEM:	CONSTRUCTION EXIT	(EA)
163-0300	CONSTRUCTION EXIT TIRE WASH ASSEMBLY	(EA)
163-0310	MAINTENANCE OF CONSTRUCTION EXIT	(EA)
165-0101	MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH ASSEMBLY	(EA)
165-0310		

REV. TIRE WASH & NOTES	DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA
REV. CSWCC 2016 MANUAL	04-22-16	CONSTRUCTION DETAILS
REV. CONSTR. EXIT LABELS	01-19-11	CONSTRUCTION EXIT
NO SCALE		FEBRUARY 2001
DESIGNED	BY	NUMBER
DRAWN	BY	D-41
TRACED	BY	
CHECKED	BY	

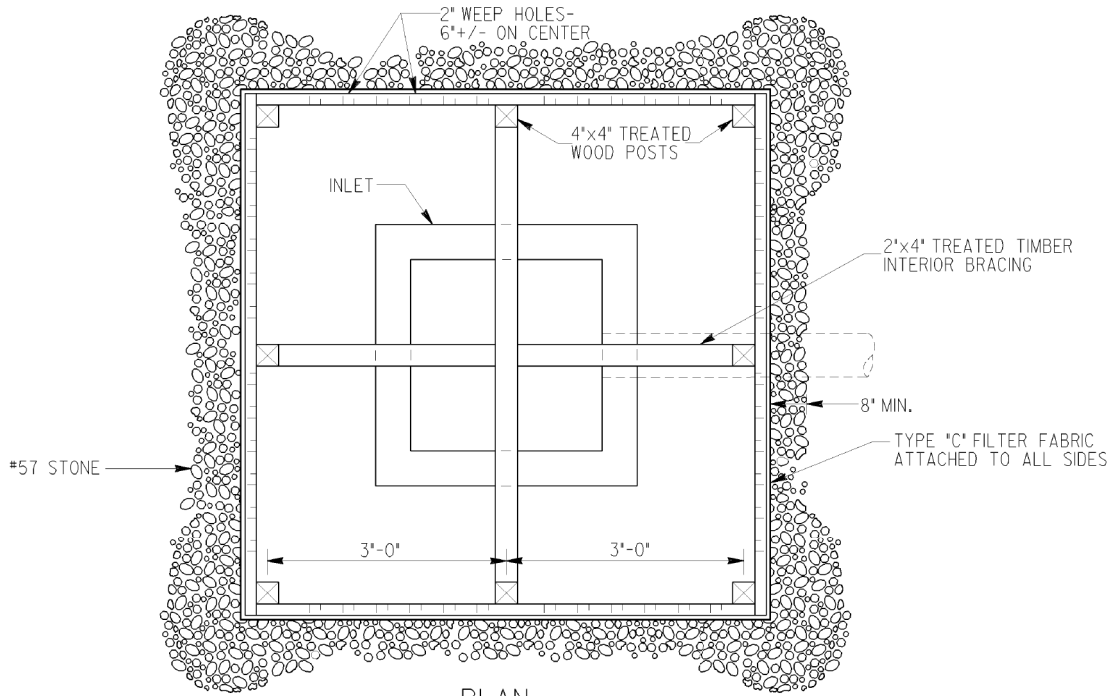
Michael Baker
INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118



REVISION DATES

EROSION CONTROL CONTRUCTION DETAILS
WINDSOR PARKWAY SIDEWALKS

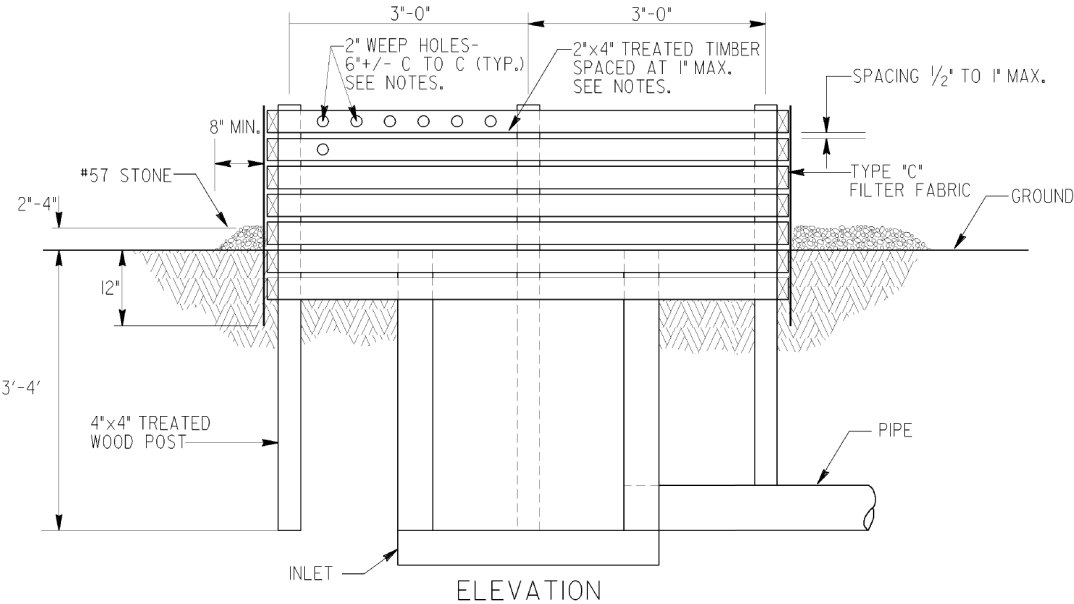
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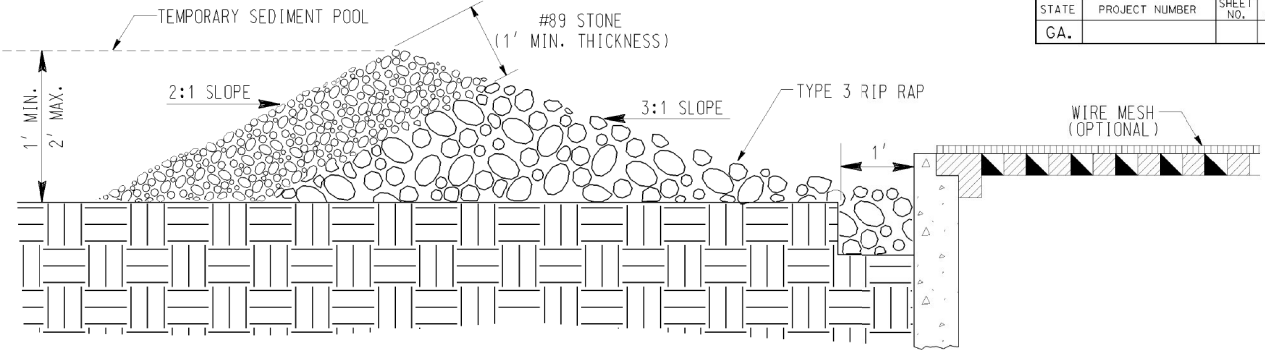
NOTES:

BAFFLE BOX SHALL BE CONSTRUCTED OF 2"x4" TREATED TIMBER SPACED A MAXIMUM OF 1' APART OR OF PLYWOOD WITH WEEP HOLES 2" IN DIAMETER PLACED APPROXIMATELY 6" ON CENTER VERTICALLY AND HORIZONTALLY.

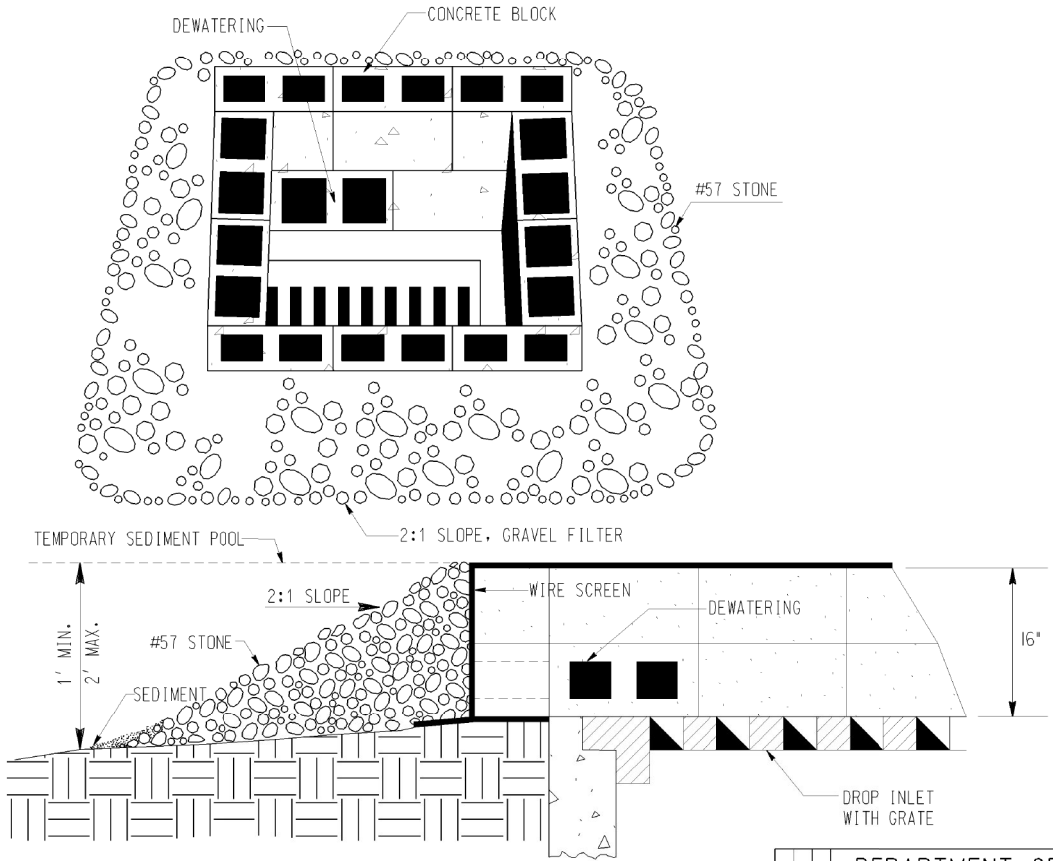
GRAVEL SHALL BE PLACED OUTSIDE THE BOX, ALL AROUND THE INLET, TO A DEPTH OF 2 TO 4 INCHES. THE ENTIRE BOX SHALL BE WRAPPED IN TYPE "C" FILTER FABRIC THAT SHALL BE ENTRENCHED 12 INCHES AND BACKFILLED.



BAFFLE BOX (Sd2-B)



GRAVEL DROP INLET PROTECTION
(GRAVEL DONUT) Sd2-G



BLOCK & GRAVEL DROP
INLET PROTECTION
(Sd2-Bg)

BASIS OF PAYMENT:
CONSTRUCT AND REMOVE INLET SEDIMENT TRAP _____ EACH

DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA
REVISION	CONSTRUCTION DETAIL INLET SEDIMENT TRAPS BAFFLE BOX Sd2-B BLOCK AND GRAVEL DROP INLET PROTECTION Sd2-Bg GRAVEL DROP INLET PROTECTION Sd2-G NO SCALE MAY 2008
BY	NUMBER D-42